April 2019

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Audience

This document is intended for all purchasers of JD Edwards EnterpriseOne.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.
This chapter provides the following licensing information for JD Edwards EnterpriseOne:

- Description of products.
- Prerequisite products.
- Entitled products and restricted use licenses.

### 1.1 JD Edwards EnterpriseOne Customer Relationship Management Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
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<tr>
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<td>Advanced Pricing</td>
<td><strong>Prerequisite Products</strong></td>
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<td>A license to use the following products is a prerequisite to license and use Advanced Pricing:</td>
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<tr>
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<td></td>
<td>- JD Edwards Sales Order Management</td>
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<tr>
<td></td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td>JD Edwards EnterpriseOne Case</td>
<td>Management</td>
<td><strong>Prerequisite Products</strong></td>
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<td></td>
<td>A license to use the following products is a prerequisite to license and use Case Management:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne CRM Foundation</td>
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<tr>
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<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne CRM</td>
<td>Foundation</td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use CRM Foundation:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
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<td>Product</td>
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<td><strong>Prerequisite Products</strong></td>
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<td>Customer Self Service</td>
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<td>A license to use the following products is a prerequisite to license and use Customer Self Service:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td>Fulfillment Management</td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Fulfillment Management:</td>
</tr>
<tr>
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<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td>In-Memory Sales Advisor</td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use In-Memory Sales Advisor:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<tr>
<td></td>
<td></td>
<td>- Exadata Storage Server Software</td>
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<td></td>
<td>- Oracle Database Enterprise Edition</td>
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<td></td>
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<td>- Oracle Real Application Clusters</td>
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<td></td>
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<td>- Oracle Exadata Database Machine and Exalogic Elastic Cloud</td>
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<td></td>
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<td>or</td>
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<tr>
<td></td>
<td></td>
<td>- Oracle SuperCluster</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license for In-Memory Sales Advisor contains a restricted-use license for WebLogic Server Standard Edition. Use of WebLogic Server Standard Edition is limited to use with In-Memory Sales Advisor and may not be used or deployed for other purposes.</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td>Sales Force Automation</td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Sales Force Automation:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne CRM Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
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<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td>Sales Order Management</td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Sales Order Management:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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### JD Edwards EnterpriseOne Customer Relationship Management Prerequisites, Entitled Products, and Licensing Information

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
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</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne One View Reporting for Sales Order Management</td>
<td><strong>Prerequisite Products</strong>&lt;br&gt;A license to use the following products is a prerequisite to license and use One View Reporting for Sales Order Management:&lt;br&gt;- JD Edwards EnterpriseOne One View Reporting Foundation&lt;br&gt;- JD Edwards EnterpriseOne System Foundation&lt;br&gt;- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
<td></td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne Service Management</td>
<td><strong>Prerequisite Products</strong>&lt;br&gt;A license to use the following products is a prerequisite to license and use Service Management:&lt;br&gt;- JD Edwards EnterpriseOne Service Management Foundation&lt;br&gt;- JD Edwards EnterpriseOne System Foundation&lt;br&gt;- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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</tr>
<tr>
<td>JD Edwards EnterpriseOne One View Reporting for Service Management</td>
<td><strong>Prerequisite Products</strong>&lt;br&gt;A license to use the following products is a prerequisite to license and use One View Reporting for Service Management:&lt;br&gt;- JD Edwards EnterpriseOne One View Reporting Foundation&lt;br&gt;- JD Edwards EnterpriseOne System Foundation&lt;br&gt;- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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</tr>
<tr>
<td>JD Edwards EnterpriseOne Service Management Foundation</td>
<td><strong>Prerequisite Products</strong>&lt;br&gt;A license to use the following products is a prerequisite to license and use Service Management Foundation:&lt;br&gt;- JD Edwards EnterpriseOne System Foundation&lt;br&gt;- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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1.2 JD Edwards EnterpriseOne Manufacturing and Supply Chain Management Prerequisites, Entitled Products, and Restricted Use Licenses

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<td>JD Edwards EnterpriseOne</td>
<td>Advanced Stock Valuation</td>
<td>Prerequisite Products</td>
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<td></td>
<td>A license to use the following products is a prerequisite to license and use Advanced Stock Valuation:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Inventory Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Agreement Management</td>
<td>Prerequisite Products</td>
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<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Agreement Management:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Apparel Management</td>
<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Apparel Management:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Sales Order Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Procurement and Subcontract Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Blend Management</td>
<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Blend Management:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Entitled Products and Restricted Use Licenses</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license for Blend Management includes a restricted-use license for the JD Edwards EnterpriseOne Manufacturing Management module. The EnterpriseOne Manufacturing Management module may only be used to define bill of materials for chemicals used in the Blend Management additive operation.</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Configurator</td>
<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Configurator:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Bulk Stock Inventory</td>
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<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Bulk Stock Inventory:</td>
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<tr>
<td></td>
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<td>- JD Edwards EnterpriseOne Inventory Management</td>
</tr>
<tr>
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<td>- JD Edwards EnterpriseOne System Foundation</td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td>Licensing Information</td>
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<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Demand Flow</td>
<td><strong>Prerequisite Products</strong></td>
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<td></td>
<td>Manufacturing</td>
<td>A license to use the following products is a prerequisite to license and use Demand Flow Manufacturing:</td>
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<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
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<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Demand Scheduling</td>
<td><strong>Prerequisite Products</strong></td>
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<tr>
<td></td>
<td>Execution</td>
<td>A license to use the following products is a prerequisite to license and use Demand Scheduling Execution:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
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<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td></td>
<td></td>
<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
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<tr>
<td></td>
<td></td>
<td>A license for Demand Scheduling Execution includes (i) a restricted-use license for the Warehouse Management program to use only Carton and Container definitions, Carton and Container Bill of Materials, Item and Pallet standard pack definitions, Standard Pack Carton Recommendations, Carton Reconciliation to Sales Order, Carton Reorganization and Inquiry and Label Number Processing and does not allow use of any location selection process, volume-based carton recommendation or movement confirmation and (ii) a restricted-use license for the Transportation Management program to use only Transportation Constants, Transportation Preferences, Shipment Creation, Shipment Approval, Shipment Confirmation, Transportation Shipment Confirmation, Seal Number processing, ASN processing and the Bill of Lading report and does not allow use of any rating and routing processing, load processing or inbound transportation processing.</td>
</tr>
<tr>
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<td>Grower Management</td>
<td><strong>Prerequisite Products</strong></td>
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<tr>
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<td>A license to use the following products is a prerequisite to license and use Grower Management:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license for Grower Management includes a restricted-use license for the JD Edwards EnterpriseOne Manufacturing Management program to define bills of materials for chemicals used in the Grower Management Spray operation. The license for Grower Management also includes a restricted-use license for the Blend Management program to use only the operations that are designated as &quot;Grower&quot; operations and the setup required to run the &quot;Grower&quot; operations.</td>
</tr>
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<td>JD Edwards EnterpriseOne</td>
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<td>Advisor</td>
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<td>Planning Advisor:</td>
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<td>▪ JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td>▪ Oracle Exadata Database Machine and Exalogic Elastic Cloud</td>
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<td>or</td>
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<td>▪ Oracle SuperCluster</td>
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<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
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<td></td>
<td>A license for In-Memory Planning Advisor includes a restricted-use license for Oracle</td>
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<td>WebLogic Server Standard Edition. Use of WebLogic Server Standard Edition is limited to</td>
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<td>use with In-Memory Planning Advisor and may not be used or deployed for other purposes.</td>
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<td><strong>Prerequisite Products</strong></td>
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<td>▪ JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne One View Reporting</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
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<tr>
<td>for Inventory Management</td>
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<td>A license to use the following products is a prerequisite to license and use One View</td>
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<td></td>
<td>▪ JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<tr>
<td>JD Edwards EnterpriseOne Manufacturing</td>
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<td><strong>Prerequisite Products</strong></td>
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<td>A license to use the following products is a prerequisite to license and use Manufacturing</td>
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<td></td>
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<td>Management:</td>
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<td></td>
<td></td>
<td>▪ JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td>JD Edwards EnterpriseOne</td>
<td>One View Reporting for Manufacturing Management</td>
<td><strong>Prerequisite Products</strong></td>
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<td></td>
<td>A license to use the following products is a prerequisite to license and use One View Reporting for Manufacturing Management:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne One View Reporting Foundation</td>
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<td></td>
<td></td>
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<td><strong>Prerequisite Products</strong></td>
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<td></td>
<td>A license to use the following products is a prerequisite to license and use Outbound Inventory Management:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>One View Reporting for Outbound Inventory Management</td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use One View Reporting for Outbound Inventory Management:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne One View Reporting Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
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<td>JD Edwards EnterpriseOne</td>
<td>Product Variants</td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
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<td>- JD Edwards EnterpriseOne Inventory Management</td>
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<td>- JD Edwards EnterpriseOne System Foundation</td>
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<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
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<td>JD Edwards EnterpriseOne</td>
<td>Requirements Planning</td>
<td><strong>Prerequisite Products</strong></td>
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<td></td>
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<td>A license to use the following products is a prerequisite to license and use Requirements Planning:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Transportation Management</td>
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<tr>
<td></td>
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<td>A license to use the following products is a prerequisite to license and use Transportation Management:</td>
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<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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1.3 JD Edwards EnterpriseOne Supply Management Prerequisites, Entitled Products, and Restricted Use Licenses

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<td>Warehouse Management</td>
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<td>One View Reporting for Transportation</td>
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<td>Management</td>
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</tr>
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<td>One View Reporting for Warehouse Management</td>
<td></td>
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<td>JD Edwards EnterpriseOne Warehouse Management</td>
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<td></td>
</tr>
<tr>
<td>One View Reporting for Transportation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne Warehouse Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One View Reporting for Warehouse Management</td>
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<td></td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne Warehouse Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One View Reporting for Warehouse Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne Warehouse Management</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Prerequisite Products

A license to use the following products is a prerequisite to license and use One View Reporting for Transportation Management:
- JD Edwards EnterpriseOne One View Reporting Foundation
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

Prerequisite Products

A license to use the following products is a prerequisite to license and use Warehouse Management:
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

Prerequisite Products

A license to use the following products is a prerequisite to license and use One View Reporting for Warehouse Management:
- JD Edwards EnterpriseOne One View Reporting Foundation
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

Prerequisite Products

A license to use the following products is a prerequisite to license and use Buyer Workspace:
- JD Edwards EnterpriseOne Procurement and Subcontract Management
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

Prerequisite Products

A license to use the following products is a prerequisite to license and use Operational Sourcing:
- JD Edwards EnterpriseOne Procurement and Subcontract Management
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure
<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
</table>
| JD Edwards EnterpriseOne Procurement and Subcontract Management | Prerequisite Products | A license to use the following products is a prerequisite to license and use Procurement and Subcontract Management:  
  - JD Edwards EnterpriseOne System Foundation  
  - JD Edwards EnterpriseOne Core Tools and Infrastructure |
| JD Edwards EnterpriseOne One View Reporting for Procurement and Subcontract Management | Prerequisite Products | A license to use the following products is a prerequisite to license and use One View Reporting for Procurement and Subcontract Management:  
  - JD Edwards EnterpriseOne One View Reporting Foundation  
  - JD Edwards EnterpriseOne System Foundation  
  - JD Edwards EnterpriseOne Core Tools and Infrastructure |
| JD Edwards EnterpriseOne Requisition Self Service | Prerequisite Products | A license to use the following products is a prerequisite to license and use Requisition Self Service:  
  - JD Edwards EnterpriseOne System Foundation  
  - JD Edwards EnterpriseOne Core Tools and Infrastructure |
| JD Edwards EnterpriseOne Supplier Self Service | Prerequisite Products | A license to use the following products is a prerequisite to license and use Supplier Self Service:  
  - JD Edwards EnterpriseOne System Foundation  
  - JD Edwards EnterpriseOne Core Tools and Infrastructure |

### 1.4 JD Edwards EnterpriseOne Asset Lifecycle Management Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
</table>
| JD Edwards EnterpriseOne Advanced Real Estate Forecasting | Prerequisite Products | A license to use the following products is a prerequisite to license and use Advanced Real Estate Forecasting:  
  - JD Edwards EnterpriseOne System Foundation  
  - JD Edwards EnterpriseOne Core Tools and Infrastructure |
### JD Edwards EnterpriseOne Asset Lifecycle Management Prerequisites, Entitled Products, and Restricted Use Licenses

#### Prerequisite Products

A license to use the following products is a prerequisite to license and use Capital Asset Management:

- JD Edwards EnterpriseOne Service Management Foundation
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

#### Entitled Products and Restricted Use Licenses

A license for Capital Asset Management includes restricted-use licenses for the Requirements Planning, Manufacturing – Shop Floor, and Manufacturing – PDM programs. The Requirements Planning, Manufacturing – Shop Floor, and Manufacturing – PDM programs may only be used in order to access the features and functions of Capital Asset Management.

---

### JD Edwards EnterpriseOne One View Reporting for Capital Asset Management

#### Prerequisite Products

A license to use the following products is a prerequisite to license and use One View Reporting for Capital Asset Management:

- JD Edwards EnterpriseOne One View Reporting Foundation
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

---

### JD Edwards EnterpriseOne Condition-Based Maintenance

#### Prerequisite Products

A license to use the following products is a prerequisite to license and use Condition-Based Maintenance:

- JD Edwards EnterpriseOne Capital Asset Management
- JD Edwards EnterpriseOne Service Management Foundation
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

or

- JD Edwards EnterpriseOne Service Management Foundation
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure
<table>
<thead>
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<th>Product</th>
<th>Subproduct</th>
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<td>Equipment Cost Analysis</td>
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<td></td>
<td>A license to use the following products is a prerequisite to license and use Equipment Cost Analysis:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Capital Asset Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Service Management Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or hold</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Service Management Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Real Estate Management</td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Real Estate Management:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>One View Reporting for Real Estate Management</td>
<td><strong>Prerequisite Products</strong></td>
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<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use One View Reporting for Real Estate Management:</td>
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<td></td>
<td>- JD Edwards EnterpriseOne One View Reporting Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
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<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>Rental Management</td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following products is a prerequisite to license and use Rental Management:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license for Rental Management includes a restricted-use license for the Contract and Service Billing programs. The Contract and Service Billing programs may only be used in order to access the features and functions of Rental Management.</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>One View Reporting for Rental Management</td>
<td><strong>Prerequisite Products</strong></td>
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<td></td>
<td>A license to use the following products is a prerequisite to license and use One View Reporting for Rental Management:</td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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### 1.5 JD Edwards EnterpriseOne Project Management Prerequisites, Entitled Products, and Restricted Use Licenses

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<thead>
<tr>
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<td>license and use Resource Assignments:</td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td></td>
<td></td>
<td>or</td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td></td>
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<td></td>
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<td>- JD Edwards EnterpriseOne System Foundation</td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td>JD Edwards EnterpriseOne</td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<td>JD Edwards EnterpriseOne</td>
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<td><strong>Prerequisite Products</strong></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
</tbody>
</table>
### Prerequisite Products

A license to use the following products is a prerequisite to license and use In-Memory Project Portfolio Advisor:

- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure
- Exadata Storage Server Software
- Oracle Database - Enterprise Edition
- Oracle Real Application Clusters
- Oracle Exadata Database Machine and Exalogic Elastic Cloud
- or
  - Oracle SuperCluster

**Entitled Products and Restricted Use Licenses**

A license for In-Memory Project Portfolio Advisor includes a restricted-use license for Oracle WebLogic Server Standard Edition. Use of WebLogic Server Standard Edition is limited to use with In-Memory Project Portfolio Advisor and may not be used or deployed for other purposes.

### Prerequisite Products

A license to use the following products is a prerequisite to license and use Project Costing:

- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

**Prerequisite Products**

A license to use the following products is a prerequisite to license and use One View Reporting for Project Costing:

- JD Edwards EnterpriseOne One View Reporting Foundation
- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure

### Prerequisite Products

A license to use the following products is a prerequisite to license and use Expense Management:

- JD Edwards EnterpriseOne System Foundation
- JD Edwards EnterpriseOne Core Tools and Infrastructure
### JD Edwards EnterpriseOne Financial Management Prerequisites, Entitled Products, and Restricted Use

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<td><strong>Prerequisite Products</strong></td>
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<td></td>
<td>A license to use the following products is a prerequisite to license and use Financials:</td>
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<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license for Financials includes a restricted-use of Oracle JD Edwards EnterpriseOne Real Estate Management, limited to lessee lease management features.</td>
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<td>Any usage of sales overage, expense participation or lessor lease management requires a full use license of Real Estate Management.</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne Environmental Accounting and Reporting</td>
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<td><strong>Prerequisite Products</strong></td>
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<tr>
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<td></td>
<td>A license to use the following products is a prerequisite to license and use Environmental Accounting and Reporting:</td>
</tr>
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<td></td>
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<td>- Oracle Business Intelligence Suite Enterprise Edition Plus</td>
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<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license for Environmental Accounting and Reporting includes a restricted-use of Oracle Data Integrator Enterprise Edition, solely for the purpose of extracting data from Environmental Accounting and Reporting application schemas in JD Edwards EnterpriseOne and integrating the data into the Oracle data model used by Environmental Accounting and Reporting in an Oracle data warehouse. Any customizations to the Environmental Accounting and Reporting application or underlying schemes would require a full use license of Oracle Data Integrator Enterprise Edition.</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne One View Reporting for Financials</td>
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<td><strong>Prerequisite Products</strong></td>
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<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne System Foundation</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
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<tr>
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<td></td>
<td>A license to use the following product is a prerequisite to license and use System Foundation:</td>
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<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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</table>
## 1.7 JD Edwards EnterpriseOne Health and Safety Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
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<th>Product</th>
<th>Subproduct</th>
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<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- A license to use the following products is a prerequisite to license and use Health and Safety Incident Management:</td>
</tr>
<tr>
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<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
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<table>
<thead>
<tr>
<th>JD Edwards EnterpriseOne One View Reporting for Health and Safety Incident Management</th>
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<th>Prerequisite Products</th>
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</thead>
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<td></td>
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<td>- A license to use the following products is a prerequisite to license and use One View Reporting for Health and Safety Incident Management:</td>
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<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne One View Reporting Foundation</td>
</tr>
<tr>
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<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
</tbody>
</table>

## 1.8 JD Edwards EnterpriseOne Human Capital Management Applications Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne Human Resources</td>
<td>Human Resources includes programs that were previously available with a separate license to Human Capital Management Foundation. Human Capital Management Foundation is no longer licensed as a separate product.</td>
<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- A license to use the following products is a prerequisite to license and use Human Resources:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>JD Edwards EnterpriseOne One View Reporting for Human Resources</th>
<th></th>
<th>Prerequisite Products</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>- A license to use the following products is a prerequisite to license and use One View Reporting for Human Resources:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne One View Reporting Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
</tbody>
</table>
### JD Edwards EnterpriseOne Human Capital Management Applications Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne Payroll</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- A license to use the following products is a prerequisite to license and use Payroll:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Time and Labor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EnterpriseOne Payroll for the US and Canada requires customers to purchase the Vertex Payroll Tax Q Series software, which is sold separately by Vertex, Inc.</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne One View Reporting</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td>for Payroll</td>
<td></td>
<td>- A license to use the following products is a prerequisite to license and use One View Reporting for Payroll:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne One View Reporting Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne Self-Service Human</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td>Resources</td>
<td></td>
<td>- A license to use the following products is a prerequisite to license and use Self-Service Human Resources:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne Time and Labor</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- A license to use the following products is a prerequisite to license and use Time and Labor:</td>
</tr>
<tr>
<td></td>
<td>Time and Labor</td>
<td>- JD Edwards EnterpriseOne System Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- A license for Time and Labor includes a restricted-use license for JD Edwards EnterpriseOne Resources Assignments. The Resource Assignments program may only be used in order to manage and maintain crew definitions in the Resource Master Resource Assignments program and access features and functions when using time entry mobile applications.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- A license for Time and Labor includes a restricted-use license to Self-Service Human Resources. The restricted-use license is for the Time Entry Self Service Setup application, Time Entry Self Service Director applications, and Manager Delegates application. The Time Entry Self Service Setup application, Time Entry Self Service Director applications and Manage Delegates application may only be used to select and sequence time entry fields to display in the mobile time entry applications, enter, update, review, and approve timecards and to specify delegates when using the mobile time entry applications.</td>
</tr>
</tbody>
</table>

---

1-16 JD Edwards EnterpriseOne Licensing Information User Manual
# 1.9 JD Edwards EnterpriseOne Tools and Technology Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
</table>
| JD Edwards EnterpriseOne Adapter for MQ Series | Prerequisite Products | A license to use the following product is a prerequisite to license and use Adapter for MQ Series:  
- JD Edwards EnterpriseOne Core Tools and Infrastructure |
| JD Edwards EnterpriseOne Adapter for MSMQ | Prerequisite Products | A license to use the following product is a prerequisite to license and use Adapter for MSMQ:  
- JD Edwards EnterpriseOne Core Tools and Infrastructure |
<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
<td><strong>Foundation:</strong> Runtime engines; HTML server; user experience</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Development Tools:</strong> Design aids; event rules; translation; workflow</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Administration and Security:</strong> User management; role-based security; user-defined object management; administrative applications</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Integration and Interoperability:</strong> Application Interface Services Server; Orchestrator (formerly called Internet of Things Orchestrator) and Orchestrator Studio; Business Services Server; Transaction Server; COM and Java connectors; JDBC driver</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Installation, Upgrade, and Deployment:</strong> Deployment Server; Server Manager; Change Assistant; Object Management Workbench</td>
<td>This set of features is fully documented in the JD Edwards EnterpriseOne product documentation library (<a href="http://docs.oracle.com">http://docs.oracle.com</a>) under the following categories:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Oracle JD Edwards EnterpriseOne Tools Documentation</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Oracle JD Edwards EnterpriseOne Installation and Upgrade Documentation</strong></td>
<td></td>
</tr>
</tbody>
</table>
Oracle Technology Foundation for JD Edwards EnterpriseOne may be licensed instead of EnterpriseOne Core Tools and Infrastructure for customers wanting the Oracle components but are not currently licensed for EnterpriseOne Core Tools and Infrastructure. The Oracle components included with Oracle Technology Foundation for JD Edwards EnterpriseOne are listed under “Entitled Products and Restricted User Licenses” below.

Oracle Technology Foundation for JD Edwards EnterpriseOne would cover the JD Edwards EnterpriseOne Core Tools and Infrastructure prerequisite requirement.

**Entitled Products and Restricted Use Licenses**

A license for Oracle Technology Foundation for JD Edwards EnterpriseOne includes the restricted-use licenses of: Oracle Database Standard Edition 2; Oracle Internet Application Server Standard Edition; Oracle WebLogic Server Standard Edition; JRockit JVM; Oracle Application Server Portal; Oracle WebCenter Services; Oracle BPEL Process Manager; Oracle Business Activity Monitoring; Oracle Application Server Single Sign-On; Oracle Access Manager Basic; Oracle Application Server Web Cache; and Business Intelligence Publisher (formerly XML Publisher).

As noted in the preceding paragraph, a license for Oracle Technology Foundation for JD Edwards EnterpriseOne includes a restricted-use license for Oracle Database Standard Edition 2. Oracle Database Standard Edition 2 may be used solely in conjunction with any and all JD Edwards EnterpriseOne programs licensed under your agreement, including third party programs licensed for use with JD Edwards EnterpriseOne programs. Oracle Database Standard Edition 2 may be installed on an unlimited number of processors. When used with Oracle Real Application Clusters, Oracle Database Standard Edition 2 may be installed on any number of RAC nodes. If you require features and functions beyond those included with the Oracle Database Standard Edition 2, or if you require use of Oracle Database beyond your JD Edwards EnterpriseOne implementation, you may purchase a non-limited use license by contracting directly with Oracle or one of its authorized distributors.

A license for Oracle Technology Foundation for JD Edwards EnterpriseOne also includes a restricted-use license for the following components of Oracle Fusion Middleware: Oracle Application Server Standard Edition or Oracle WebLogic Server Standard Edition (either of these products may be used, but both products cannot be used for the same function); Oracle Application Server Portal; Oracle WebCenter Services; Oracle BPEL Process Manager; Oracle Business Activity Monitoring; Oracle Application Server Single Sign-On; Oracle Access Manager Basic; Oracle Application Server Web Cache; and Business Intelligence Publisher. These components may be used solely in conjunction with any and all JD Edwards EnterpriseOne programs licensed under your agreement, including third party programs licensed for use with JD Edwards EnterpriseOne programs. These components may be installed on an unlimited number of processors. If you require use of these components beyond your JD Edwards EnterpriseOne implementation you may purchase a non-limited use license for any of the Oracle components by contracting directly with Oracle or one of its authorized distributors.

As noted in the preceding paragraph, a license for Oracle Technology Foundation for JD Edwards EnterpriseOne includes a restricted-use license for Oracle Business Intelligence Publisher. Oracle Business Intelligence Publisher may be used to create or modify reports that use the Oracle supplied database schema, or modifications to that schema done to support modifications to supplied Oracle JD Edwards EnterpriseOne programs. For the avoidance of doubt, examples of uses that are not permitted include, but are not limited to, the following: adding new reports that support different applications or database schemas other than JD Edwards EnterpriseOne.

---

**Licensing Information**

<table>
<thead>
<tr>
<th>Product Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle Technology Foundation for JD Edwards EnterpriseOne Core Tools and Infrastructure</td>
<td>Oracle Technology Foundation for JD Edwards EnterpriseOne may be licensed instead of EnterpriseOne Core Tools and Infrastructure for customers wanting the Oracle components but are not currently licensed for EnterpriseOne Core Tools and Infrastructure. The Oracle components included with Oracle Technology Foundation for JD Edwards EnterpriseOne are listed under “Entitled Products and Restricted User Licenses” below. Oracle Technology Foundation for JD Edwards EnterpriseOne would cover the JD Edwards EnterpriseOne Core Tools and Infrastructure prerequisite requirement.</td>
</tr>
</tbody>
</table>

**Entitled Products and Restricted Use Licenses**

A license for Oracle Technology Foundation for JD Edwards EnterpriseOne includes the restricted-use licenses of: Oracle Database Standard Edition 2; Oracle Internet Application Server Standard Edition; Oracle WebLogic Server Standard Edition; JRockit JVM; Oracle Application Server Portal; Oracle WebCenter Services; Oracle BPEL Process Manager; Oracle Business Activity Monitoring; Oracle Application Server Single Sign-On; Oracle Access Manager Basic; Oracle Application Server Web Cache; and Business Intelligence Publisher (formerly XML Publisher).

As noted in the preceding paragraph, a license for Oracle Technology Foundation for JD Edwards EnterpriseOne includes a restricted-use license for Oracle Database Standard Edition 2. Oracle Database Standard Edition 2 may be used solely in conjunction with any and all JD Edwards EnterpriseOne programs licensed under your agreement, including third party programs licensed for use with JD Edwards EnterpriseOne programs. Oracle Database Standard Edition 2 may be installed on an unlimited number of processors. When used with Oracle Real Application Clusters, Oracle Database Standard Edition 2 may be installed on any number of RAC nodes. If you require features and functions beyond those included with the Oracle Database Standard Edition 2, or if you require use of Oracle Database beyond your JD Edwards EnterpriseOne implementation, you may purchase a non-limited use license by contracting directly with Oracle or one of its authorized distributors.

A license for Oracle Technology Foundation for JD Edwards EnterpriseOne also includes a restricted-use license for the following components of Oracle Fusion Middleware: Oracle Application Server Standard Edition or Oracle WebLogic Server Standard Edition (either of these products may be used, but both products cannot be used for the same function); Oracle Application Server Portal; Oracle WebCenter Services; Oracle BPEL Process Manager; Oracle Business Activity Monitoring; Oracle Application Server Single Sign-On; Oracle Access Manager Basic; Oracle Application Server Web Cache; and Business Intelligence Publisher. These components may be used solely in conjunction with any and all JD Edwards EnterpriseOne programs licensed under your agreement, including third party programs licensed for use with JD Edwards EnterpriseOne programs. These components may be installed on an unlimited number of processors. If you require use of these components beyond your JD Edwards EnterpriseOne implementation you may purchase a non-limited use license for any of the Oracle components by contracting directly with Oracle or one of its authorized distributors.

As noted in the preceding paragraph, a license for Oracle Technology Foundation for JD Edwards EnterpriseOne includes a restricted-use license for Oracle Business Intelligence Publisher. Oracle Business Intelligence Publisher may be used to create or modify reports that use the Oracle supplied database schema, or modifications to that schema done to support modifications to supplied Oracle JD Edwards EnterpriseOne programs. For the avoidance of doubt, examples of uses that are not permitted include, but are not limited to, the following: adding new reports that support different applications or database schemas other than JD Edwards EnterpriseOne.
Oracle Technology Foundation for JD Edwards EnterpriseOne Upgrade

**Prerequisite Products**

A license to use the following product is a prerequisite to license and use Oracle Technology Foundation for JD Edwards EnterpriseOne Upgrade:

- JD Edwards EnterpriseOne Core Tools and Infrastructure

Oracle Technology Foundation for JD Edwards EnterpriseOne Upgrade would be licensed for a customer that is currently licensed for JD Edwards EnterpriseOne Core Tools and Infrastructure and also wants the Oracle components, which are listed under "Entitled Products and Restricted User Licenses" below.

**Entitled Products and Restricted Use Licenses**

A license to Oracle Technology Foundation for JD Edwards EnterpriseOne Upgrade includes the restricted-use licenses of: Oracle Database Standard Edition 2; Oracle Internet Application Server Standard Edition; Oracle WebLogic Server Standard Edition; JRockit JVM; Oracle Application Server Portal; Oracle WebCenter Services; Oracle BPEL Process Manager; Oracle Business Activity Monitoring; Oracle Application Server Single Sign-On; Oracle Access Manager Basic; Oracle Application Server Web Cache; and Business Intelligence Publisher (formerly XML Publisher).

As noted in the preceding paragraph, a license for Oracle Technology Foundation for JD Edwards EnterpriseOne Upgrade includes a restricted-use license for Oracle Database Standard Edition 2. Oracle Database Standard Edition 2 may be used solely in conjunction with any and all JD Edwards EnterpriseOne programs licensed under your agreement, including third party programs licensed for use with JD Edwards EnterpriseOne programs. Oracle Database Standard Edition 2 may be installed on an unlimited number of processors. When used with Oracle Real Application Clusters, Oracle Database Standard Edition 2 may be installed on any number of RAC nodes. If you require features and functions beyond those included with the Oracle Database Standard Edition 2, or if you require use of Oracle Database beyond your JD Edwards EnterpriseOne implementation, you may purchase a non-limited use license by contracting directly with Oracle or one of its authorized distributors.

The license for Oracle Technology Foundation for JD Edwards EnterpriseOne Upgrade also includes a restricted-use license for the following components of Oracle Fusion Middleware: Oracle Application Server Standard Edition or Oracle WebLogic Server Standard Edition (either of these products may be used, but both products cannot be used for the same function); Oracle Application Server Portal; Oracle WebCenter Services; Oracle BPEL Process Manager; Oracle Business Activity Monitoring; Oracle Application Server Single Sign-On; Oracle Access Manager Basic; Oracle Application Server Web Cache; and Business Intelligence Publisher. These components may be used solely in conjunction with any and all JD Edwards EnterpriseOne programs licensed under your agreement, including third party programs licensed for use with JD Edwards EnterpriseOne programs. These components may be installed on an unlimited number of processors. If you require use of these components beyond your JD Edwards EnterpriseOne implementation you may purchase a non-limited use license for any of the Oracle components by contracting directly with Oracle or one of its authorized distributors.

As noted in the preceding paragraph, a license for Oracle Technology Foundation for JD Edwards EnterpriseOne Upgrade includes a restricted-use license for Oracle Business Intelligence Publisher. Oracle Business Intelligence Publisher may be used to create or modify reports that use the Oracle supplied database schema, or modifications to that schema done to support modifications to supplied Oracle JD Edwards EnterpriseOne programs. For the avoidance of doubt, examples of uses that are not permitted include, but are not limited to, the following: adding new reports that support different applications or database schemas other than JD Edwards EnterpriseOne.
## 1.10 JD Edwards EnterpriseOne One View Reporting Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne One View Reporting Foundation</td>
<td>Prerequisite Products</td>
<td>A license to use the following products is a prerequisite to license and use One View Reporting Foundation:</td>
</tr>
</tbody>
</table>

  - JD Edwards EnterpriseOne System Foundation
  - JD Edwards EnterpriseOne Core Tools and Infrastructure

## 1.11 JD Edwards EnterpriseOne Application Management Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Management Suite for JD Edwards EnterpriseOne</td>
<td>A license to use each of the following products is included with a license to Application Management Suite for JD Edwards EnterpriseOne:</td>
<td></td>
</tr>
</tbody>
</table>

  - Application Management Pack for JD Edwards EnterpriseOne
  - Real User Experience Insight Accelerator for JD Edwards EnterpriseOne
  - Configuration Management Pack for Applications

## 1.12 JD Edwards EnterpriseOne Application Testing Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional Testing Suite for Oracle Applications</td>
<td>A license to use each of the following products is included with a license to Functional Testing Suite for Oracle Application:</td>
<td></td>
</tr>
</tbody>
</table>

  - Applications Functional Testing Accelerators
  - Oracle Functional Testing
### 1.13 JD Edwards EnterpriseOne Application Integration Architecture Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Testing Suite for Oracle Applications</td>
<td></td>
<td>A license to use each of the following products is included with a license to Load Testing Suite for Oracle Applications:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applications Load Testing Accelerators</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oracle Load Testing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Load Testing Controller</td>
<td></td>
</tr>
</tbody>
</table>

#### Prerequisite Products

A license to use the following products is a prerequisite to license and use Application Integration Architecture Foundation Pack:

- WebLogic Suite
- SOA Suite for Oracle Middleware
- Oracle Database Enterprise Edition or Oracle Database Standard Edition*

*Customers should select between the two editions of the Oracle Database based on their business requirements. Customers should consider Oracle Database Enterprise Edition if they wish to leverage advanced features and capabilities of Oracle Database Enterprise Edition.

#### Entitled Products and Restricted Use Licenses

A license to Application Integration Architecture Foundation Pack includes a restricted use license to Oracle Service Registry. Use of Oracle Service Registry is subject to the restricted uses as described in EXHIBIT A – Oracle Service Registry Restricted Use Notice.

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Integration Architecture Foundation Pack</td>
<td></td>
<td><strong>Prerequisite Products</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following product is a prerequisite to license and use Application Integration Architecture Foundation Pack Extension for Communications:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Application Integration Architecture Foundation Pack</td>
</tr>
</tbody>
</table>

#### Prerequisite Products

A license to Application Integration Foundation Pack Extension for Communications includes a restricted use license to Oracle Service Registry. Use of Oracle Service Registry is subject to the restricted uses as described in EXHIBIT A – Oracle Service Registry Restricted Use Notice.
<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
</table>
| Application Integration Architecture Foundation Pack Extension for Insurance | | Prerequisite Products  
A license to use the following product is a prerequisite to license and use Application Integration Architecture Foundation Pack Extension for Insurance:  
- Application Integration Architecture Foundation Pack  
Entitled Products and Restricted Use Licenses  
A license to Application Integration Architecture Foundation Pack Extension for Insurance includes a restricted use license to Oracle Service Registry. Use of Oracle Service Registry is subject to the restricted uses as described in EXHIBIT A – Oracle Service Registry Restricted Use Notice. |
| Application Integration Architecture Foundation Pack Extension for Utilities | | Prerequisite Products  
A license to use the following product is a prerequisite to license and use Application Integration Architecture Foundation Pack Extension for Utilities:  
- Application Integration Architecture Foundation Pack  
Entitled Products and Restricted Use Licenses  
A license to Application Integration Architecture Foundation Pack Extension for Utilities includes a restricted use license to Oracle Service Registry. Use of Oracle Service Registry is subject to restricted use as described in EXHIBIT A – Oracle Service Registry Restricted Use Notice. |
| Oracle Demantra Sales and Operations Planning Integration to Hyperion Planning | | Prerequisite Products  
A license for one of the following products is a prerequisite to license and use Oracle Demantra Sales and Operations Planning Integration to Hyperion Planning:  
- Demantra Real-time Sales and Operations Planning  
- Hyperion Planning Plus  
Entitled Products and Restricted Use Licenses  
A license to Oracle Demantra Sales and Operations Planning Integration to Hyperion Planning includes restricted use rights of certain Oracle Technology products and must adhere to the restricted-use and full-use rules described in EXHIBIT B – Restricted Use Rights of Oracle Technology. |
| Oracle Utilities Customer Care and Billing Integration to JD Edwards Financials for General Ledger and Accounts Payable | | Prerequisite Products  
A license for one of the following products is a prerequisite to license and use Oracle Utilities Customer Care and Billing Integration to JD Edwards Financials for General Ledger and Accounts Payable:  
- JD Edwards EnterpriseOne Financials  
- Oracle Utilities Customer Care and Billing  
Entitled Products and Restricted Use Licenses  
A license to Oracle Utilities Customer Care and Billing Integration to JD Edwards Financials for General Ledger and Accounts Payable includes restricted use rights of certain Oracle Technology products and must adhere to the restricted-use and full-use rules described in EXHIBIT B – Restricted Use Rights of Oracle Technology. |
### 1.14 Prerequisites, Entitled Products, and Restricted Use Licenses for Manufacturing and Supply Chain Management

**UPK Content Material Modules**

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne UPK for Blend Management</td>
<td>Prerequisite Products</td>
<td>A license to use the following product is a prerequisite to license and use UPK for Blend Management:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne UPK for Configurator</td>
<td>Prerequisite Products</td>
<td>A license to use the following product is a prerequisite to license and use UPK for Configurator:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne UPK for Grower Management</td>
<td>Prerequisite Products</td>
<td>A license to use the following product is a prerequisite to license and use UPK for Grover Management:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne UPK for Grower Pricing and Payments</td>
<td>Prerequisite Products</td>
<td>A license to use the following product is a prerequisite to license and use UPK for Grover Pricing and Payments:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>Product</td>
<td>Subproduct</td>
<td>Licensing Information</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| JD Edwards EnterpriseOne                   | UPK for Manufacturing Management Discrete Shop Floor Management | **Prerequisite Products**  
A license to use the following product is a prerequisite to license and use UPK for Manufacturing Management Discrete Shop Floor Management:  
- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users  
OR  
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users |
| JD Edwards EnterpriseOne                   | UPK for Manufacturing Management Engineer to Order      | **Prerequisite Products**  
A license to use the following product is a prerequisite to license and use UPK for Manufacturing Management Engineer to Order:  
- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users  
OR  
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users |
| JD Edwards EnterpriseOne                   | UPK for Manufacturing Management, Process Manufacturing  | **Prerequisite Products**  
A license to use the following product is a prerequisite to license and use UPK for Manufacturing Management, Process Manufacturing:  
- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users  
OR  
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users |
| JD Edwards EnterpriseOne                   | UPK for Requirements Planning                          | **Prerequisite Products**  
A license to use the following product is a prerequisite to license and use UPK for Requirements Planning:  
- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users  
OR  
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users |
1.15 Prerequisites, Entitled Products, and Restricted Use Licenses for Financial Management UPK Content Material Modules

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne UPK for Accounts Payable</td>
<td><strong>Prerequisite Products</strong></td>
<td>A license to use the following product is a prerequisite to license and use UPK for Accounts Payable:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne UPK Accounts Receivable</td>
<td><strong>Prerequisite Products</strong></td>
<td>A license to use the following product is a prerequisite to license and use UPK Accounts Receivable:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne UPK for Fixed Assets Accounting</td>
<td><strong>Prerequisite Products</strong></td>
<td>A license to use the following product is a prerequisite to license and use UPK for Fixed Assets Accounting:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne UPK for General Ledger</td>
<td><strong>Prerequisite Products</strong></td>
<td>A license to use the following product is a prerequisite to license and use UPK for General Ledger:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
</tbody>
</table>
### 1.16 Prerequisites, Entitled Products, and Restricted Use Licenses for Supply Chain Management UPK Content Material Modules

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
</table>
| JD Edwards EnterpriseOne | UPK for Advanced Pricing | **Prerequisite Products**  
A license to use the following product is a prerequisite to license and use UPK for Advanced Pricing:  
- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users  
  OR  
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users |
| JD Edwards EnterpriseOne | UPK Inventory Management | **Prerequisite Products**  
A license to use the following product is a prerequisite to license and use UPK Inventory Management:  
- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users  
  OR  
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users |
| JD Edwards EnterpriseOne | UPK Manufacturing - PDM | **Prerequisite Products**  
A license to use the following product is a prerequisite to license and use UPK Manufacturing - PDM:  
- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users  
  OR  
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users |
| JD Edwards EnterpriseOne | UPK for Sales Order Management | **Prerequisite Products**  
A license to use the following product is a prerequisite to license and use UPK for Sales Order Management:  
- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users  
  OR  
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users |
1.17 Prerequisites, Entitled Products, and Restricted Use Licenses for Supplier Relationship Management UPK

**Content Material Modules**

**Product**  
JD Edwards EnterpriseOne  
UPK Procurement and Subcontract Management

**Subproduct**

**Licensing Information**

**Prerequisite Products**

A license to use the following product is a prerequisite to license and use UPK Procurement and Subcontract Management:

- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users
  OR
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users

---

1.18 Prerequisites, Entitled Products, and Restricted Use Licenses for Asset Lifecycle Management UPK Content Material Modules

**Product**

JD Edwards EnterpriseOne  
UPK for Advanced Real Estate Forecasting

**Subproduct**

**Licensing Information**

**Prerequisite Products**

A license to use the following product is a prerequisite to license and use UPK for Advanced Real Estate Forecasting:

- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users
  OR
- 1 UPK Professional Developer and UPK Professional Employees or UPK Professional Application Users

**Product**

JD Edwards EnterpriseOne  
UPK for Capital Asset Management

**Subproduct**

**Licensing Information**

**Prerequisite Products**

A license to use the following product is a prerequisite to license and use UPK for Capital Asset Management:

- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users
  OR
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users

**Product**

JD Edwards EnterpriseOne  
UPK for Real Estate Management

**Subproduct**

**Licensing Information**

**Prerequisite Products**

A license to use the following product is a prerequisite to license and use UPK for Real Estate Management:

- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users
  OR
- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users
## 1.19 Prerequisites, Entitled Products, and Restricted Use Licenses for Project Management UPK Content Material Modules

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>UPK for Homebuilder Management</td>
<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following product is a prerequisite to license and use UPK for Homebuilder Management:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>UPK for Project Costing</td>
<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following product is a prerequisite to license and use UPK for Project Costing:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
</tbody>
</table>

## 1.20 Prerequisites, Entitled Products, and Restricted Use Licenses for Human Capital Management UPK Content Material Modules

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>UPK for Human Capital Management Fundamentals</td>
<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following product is a prerequisite to license and use UPK for Human Capital Management Fundamentals:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>UPK for Human Resources, Benefits</td>
<td>Prerequisite Products</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to use the following product is a prerequisite to license and use UPK for Human Resources, Benefits:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
</tr>
</tbody>
</table>
## 1.21 Prerequisites, Entitled Products, and Restricted Use Licenses for Fundamentals for EnterpriseOne UPK Content Material Module

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite Products</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum 1 UPK Standard Developer and either UPK Standard Employees or UPK Standard Application Users OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 UPK Professional Developer and either UPK Professional Employees or UPK Professional Application Users</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JD Edwards EnterpriseOne UPK for Time and Labor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# 1.22 JD Edwards EnterpriseOne Mobile Access Prerequisites, Entitled Products, and Restricted Use Licenses

<table>
<thead>
<tr>
<th>Product Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne Mobile Access</td>
<td>A JD Edwards EnterpriseOne Mobile Access (&quot;Mobile Access&quot;) license is for mobile users that do not have user licenses for accessing JD Edwards EnterpriseOne base applications (listed in EXHIBIT E – List of JD Edwards EnterpriseOne Base Applications) (&quot;mobile-only users&quot;). User licenses for JD Edwards EnterpriseOne base applications include use of separately-available JD Edwards EnterpriseOne mobile applications that interact with such base applications. Mobile Access cannot be applied to, and is not available for, the JD Edwards EnterpriseOne applications listed in EXHIBIT F – List of JD Edwards EnterpriseOne Applications That Do Not Apply to Mobile Access.</td>
</tr>
</tbody>
</table>

**Prerequisite Products**

A license to use the following products is a prerequisite to license and use JD Edwards EnterpriseOne Mobile Access:

- The applicable JD Edwards EnterpriseOne base applications that will be accessed and/or updated by the mobile-only users.

  For example, an organization that is licensing Mobile Access for their mobile field service technicians to view available inventory parts and to update service works orders, must license JD Edwards EnterpriseOne Inventory Management and JD Edwards EnterpriseOne Service Management.

- For customers using Oracle Technology Foundation for JD Edwards EnterpriseOne to fulfill their JD Edwards EnterpriseOne applications prerequisites for Oracle Database and Oracle Fusion Middleware, the mobile-only users must be licensed for Oracle Technology Foundation for JD Edwards EnterpriseOne Upgrade. If customers already have full use licenses to Oracle Database and Oracle Fusion Middleware to fulfill their prerequisite requirements for those products, then they should ensure they have adequate licensing to accommodate mobile-only users.

**Entitled Products**

Mobile Access includes a license for JD Edwards EnterpriseOne System Foundation and JD Edwards EnterpriseOne Core Tools and Infrastructure.
1.23 Additional Restricted Use Licenses Included with JD Edwards EnterpriseOne Products

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>JD Edwards EnterpriseOne</td>
<td>All</td>
<td><strong>Entitled Products and Restricted Use Licenses</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A license to JD Edwards EnterpriseOne products includes a restricted use license to Oracle Business Intelligence Publisher (BI Publisher) to publish and/or view:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Shipped BI Publisher reports for JD Edwards EnterpriseOne. Layout changes are allowed, AND</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Shipped or newly created BI Publisher reports for JD Edwards EnterpriseOne that are modified to access data from the existing JD Edwards EnterpriseOne Applications schema that has not been customized.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A full use license to Oracle Business Intelligence Publisher is required if any shipped, modified or newly created BI Publisher report for JD Edwards EnterpriseOne:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Accesses data from a non-JD Edwards EnterpriseOne Applications data source, OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Accesses data from a new schema within the JD Edwards EnterpriseOne Applications that is not shipped by Oracle, OR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Accesses data from a modified JD Edwards EnterpriseOne Applications schema (e.g. by adding columns to an existing table).</td>
</tr>
</tbody>
</table>

A license to JD Edwards EnterpriseOne products includes a restricted use license to the Oracle Database Enterprise Edition for use with JD Edwards EnterpriseOne for installing, patching and managing product metadata. This encompasses usage by the JD Edwards EnterpriseOne installation programs, deployment server and development client. Storing any other data in the database requires a full use license of the Oracle Database.

A license to JD Edwards EnterpriseOne products includes a restricted use license to Oracle Secure Enterprise Search solely for use with licensed JD Edwards EnterpriseOne applications. Oracle Java SE is included with JD Edwards EnterpriseOne products and is intended only for use in conjunction with running JD Edwards EnterpriseOne applications. If you use Java SE in any other way or if you use a different version of Java SE than that provided with JD Edwards EnterpriseOne products, your use of Java SE is subject to the terms set forth at http://www.oracle.com/technetwork/java/javase/documentation/index.html.

A license to certain JD Edwards EnterpriseOne applications includes JD Edwards EnterpriseOne Mobile Archives as part of the application features. Use of such Mobile Archives is restricted and includes restricted-use rights of Oracle Mobile Application Framework Foundation as described in EXHIBIT C – JD Edwards EnterpriseOne Mobile Archive Restricted Use Notice.

A license to each JD Edwards EnterpriseOne product containing EnterpriseOne Pages and/or EnterpriseOne Composite Application Framework layouts includes a restricted use license to JD Edwards EnterpriseOne View Reporting Foundation, with use restricted to using EnterpriseOne View watchlists and EnterpriseOne View reports distributed by Oracle within EnterpriseOne Pages and EnterpriseOne Composite Application Framework layouts. However, a full use license to JD Edwards EnterpriseOne View Reporting Foundation is required if customers wish to create new EnterpriseOne View watchlists or EnterpriseOne View reports.

A license to each JD Edwards EnterpriseOne product containing EnterpriseOne Pages and/or EnterpriseOne Composite Application Framework layouts includes a restricted use license to all JD Edwards EnterpriseOne View Reporting products other than EnterpriseOne View Reporting Foundation, with use of each such EnterpriseOne View Reporting product restricted to using analytics distributed by Oracle within EnterpriseOne Pages and EnterpriseOne Composite Application Framework layouts that use EnterpriseOne View Reporting products to define data selection. However, a full use license to the applicable JD Edwards EnterpriseOne View Reporting product(s) is required if customers wish to create new analytics using EnterpriseOne View Reporting products.

1.24 EXHIBIT A – Oracle Service Registry Restricted Use Notice

Oracle Service Registry is an optional component for Application Integration Architecture (AIA) Foundation Packs and/or Process Integration Packs. You can install and use AIA products without Oracle Service Registry. However, if a customer wants to use Oracle Service
Registry to manage only AIA objects and services at runtime, a restricted-use license of Oracle Service Registry is included.

The restricted-use license of Oracle Service Registry allows customers to view/edit objects and services included with AIA products. If a customer wants to use Oracle Service Registry to manage other content than standard out-of-the-box AIA content, the purchase of a full-use license of Oracle Service Registry is required.

Restricted-use license of Oracle Service Registry for AIA is limited to the following:

1. Viewing and consuming Oracle AIA content (Oracle intellectual property) available with their licensed AIA Foundation Pack and/or Process Integration Packs. The pre-built AIA content includes: Services/Binding Templates (WSDL), Schemas (XSD) and Transforms (XSLT/XQUERY);

2. Making limited modifications and extensions to the AIA content only in accordance with the AIA extension mechanism, and not for other purposes:
   i. Adding custom attributes to the AIA schemas
   ii. Adding corresponding transforms for the custom attributes
   iii. Modifying out-of-the-box AIA services taxonomy/categorization
   iv. Modifying out-of-the-box AIA endpoint binding templates
   v. Adding new taxonomies or models to categorize (1) the out-of-the-box and (2) the extended Oracle AIA content

Any of the following conditions would trigger the full-use license of Oracle Service Registry with AIA:

i. Adding custom business services
ii. Adding new operation to an existing service
iii. Registering your own in-house services
iv. Adding new taxonomies or models to categorize customer specific content (from 1, 2, 3 above)

v. Modifying attributes and other metadata in Oracle Service Registry other than through the AIA extension mechanism

1.25 EXHIBIT B – Restricted Use Rights of Oracle Technology

All Application Integration Architecture (AIA) pre-built integrations include restricted-use licenses of supporting Oracle Technology products/components that can be used to configure, modify and extend the integration packs to meet customer's business requirements within the context of the delivered business process and Application(s).

However, full-use licenses of the necessary Oracle Technology products would be required if a customer wishes to do either the following:

1) Add another application system (a "new spoke") to the AIA pre-built integration (i.e. a new application beyond the original applications the AIA program provided integration for); or

2) Use additional Enterprise Business Objects (EBO) from the Foundation Pack Library.

1) In cases where an additional application system is added to the Application Integration Architecture pre-built integration, but no additional Enterprise Business Objects used from the Foundation Pack Library, full-use licenses of the following Oracle Technology products are required:
1. WebLogic Suite (for use of Internet Application Server Enterprise Edition)
2. SOA Suite for Oracle Middleware
3. Data Integrator Enterprise Edition (when used in the pre-built integration)
4. Oracle Database Enterprise Edition

Example: A customer buys the "Order-to-Cash" Process Integration Pack between Siebel CRM and Oracle E-Business Suite and now wants to add another system such as the customer's own "web order portal" to support the same business process. This would be considered another application system and would require full-use licenses of the Oracle Technology products noted directly above. Another application system could also be another application instance, custom built, legacy or a third-party application system.

2) In cases where an additional Enterprise Business Object from the Foundation Pack Library is used, full-use licenses of the following Oracle Technology products and AIA product are required:

1. WebLogic Suite (for use of the Internet Application Server Enterprise Edition)
2. SOA Suite for Oracle Middleware
3. Data Integrator Enterprise Edition (when used in the pre-built integration)
4. Oracle Database Enterprise Edition

Example: A customer buys the "Order-to-Cash" Process Integration Pack between Siebel CRM and Oracle E-Business Suite and now wants to extend the integration to include a new business object, such as "Asset" or integration flow, such as "Payment Terms." This would require full-use licenses of the Oracle Technology products noted directly above.

v. Application Integration Architecture Foundation Pack

Example: A customer buys the "Order-to-Cash" Process Integration Pack between Siebel CRM and Oracle E-Business Suite and now wants to extend the integration to include a new business object, such as "Asset" or integration flow, such as "Payment Terms." This would require full-use licenses of the Oracle Technology products noted directly above.

1.26 EXHIBIT C – JD Edwards EnterpriseOne Mobile Archive

Restricted Use Notice

The JD Edwards EnterpriseOne programs associated with the JD Edwards EnterpriseOne Tools Developing and Customizing Mobile Enterprise Applications Guide include one or more mobile application archives or libraries (each a "Mobile Archive") based on Oracle Mobile Application Framework Foundation. Your use of each Mobile Archive is limited to the following:

1. Insert your brand or logo where indicated (removing Oracle's brands and logos, if any) in the Mobile Archive;
2. Modify the Mobile Archive as permitted by the "Oracle Mobile Application Framework Foundation" section below;
3. Compile, complete, and sign the Mobile Archive with your own mobile operating system-specific certificate(s), thereby creating a mobile application ("Mobile Application"); and
4. Distribute the Mobile Application within your enterprise or entity to your internal users and/or to your third party end users ("End Users") that use the associated JD Edwards program. You may not distribute the Mobile Archive to End Users.
With respect to creating a Mobile Application, you acknowledge that you must separately agree to and abide by license terms with the applicable mobile operating system provider and possibly other third parties. For example, for iOS applications, you agree that the Mobile Application, in whole or in part, may not be installed on a mobile device or executed except as incorporated into an iOS application that has been signed using an appropriate Apple-issued certificate that you obtained directly from Apple and that is deployed in full compliance with your agreement with Oracle (including these terms) and license terms set forth in a separate agreement between you and Apple.

Any Mobile Application distribution to End Users must be subject to a legally binding end user license agreement (the "EULA") between you and each End User pertaining to the Mobile Application that must, at a minimum, contain the following terms:

(a) Include acknowledgements by you and the End User that the EULA is concluded between you and the End User only and that the following apply:
   (i) you are solely responsible for each Mobile Application's content, maintenance, and support; and
   (ii) you are solely responsible for addressing, settling, and discharging any claims of the End User or any third party relating to the Mobile Application or the End User's possession and/or use of that Mobile Application, including, but not limited to product liability claims; any claim that the Mobile Application fails to conform to any applicable legal or regulatory requirement; any claims arising under consumer protection or similar legislation; and any claims that the End User's possession and use of that Mobile Application infringes a third party's intellectual property rights;

(b) Provide only a non-transferable, terminable license to the End User that prohibits (i) modifying or creating derivative works or (ii) decrypting, decompiling, reverse engineering, disassembling or attempting to derive the Mobile Application source code (unless such actions are expressly permitted by applicable law);

(c) Notify the End User that the Mobile Application is subject to a restricted license and can be used only in conjunction with the specific Oracle-based solution(s) for which it is designed;

(d) Provide no limitation of your liability to the End User beyond what is permitted by applicable law;

(e) Require the End User to comply fully with all relevant export laws and regulations of the U.S. and other applicable export and import laws to assure that the Mobile Application, nor any direct products thereof, is exported, directly or indirectly, in violation of applicable laws;

(f) State in the EULA your name and address to which any End User questions, complaints or claims with respect to the Mobile Application can be directed;

(g) State in the EULA that the End User must comply with applicable third-party terms when using the Mobile Application and that third-party components that may be appropriate or necessary for use with the Mobile Application are specified in the documentation for that program (or as otherwise notified by you) and that those third party components are licensed to the End User only for use with the Mobile Application under the terms of the third party license agreement specified in the documentation for that program (or as otherwise notified by you) and not under the terms of the EULA;

(h) State that the licenses provided in the EULA automatically terminate upon breach of the EULA terms and in addition that the licenses provided in the EULA may be terminated upon notice;

(i) State that upon termination of the EULA the End User must discontinue all use of the Mobile Application and to delete all copies of the Mobile Application;

(j) Disclaim in the EULA, to the extent permitted by applicable law, a third party's liability for (a) any damages, whether direct, indirect, incidental, special, punitive or consequential, and (b) any loss of profits, revenue, data or data use, arising from use of the Mobile Application;
(k) Designate Oracle as a third party beneficiary. Oracle will have the right to enforce the EULA against the End Users; and

(l) State that your licensors retain all ownership and intellectual property rights in the Mobile Application.

You agree to inform Oracle promptly if you are aware of any breach of the EULA. You agree to be financially responsible to Oracle for all damages or losses caused by your failure to include the required contractual terms set forth above in each EULA between you and an End User.

**Oracle Mobile Application Framework Foundation**

Oracle Mobile Application Framework Foundation ("MAF Foundation") is included as a restricted use component. The following tables describe the applicable MAF Foundation usage rights and restrictions. Table 1 below lists the MAF Foundation capabilities that may be used and what, if any, restrictions apply. Table 2 lists the MAF Foundation capabilities that may be not used. Any use of the capabilities described in Table 2 requires an appropriate quantity of full use licenses for (a) Oracle Mobile Application Framework, or (b) Oracle Mobile Suite and Oracle Mobile Suite Client Runtime.

MAF Foundation is the version of Oracle Mobile Application Framework that is restricted for use as described in this document. When MAF Foundation is included as a component within another Oracle product (the "Primary Product") then, depending on the particular Primary Product, MAF Foundation may be included in the Primary Product, may be separately downloaded from Oracle Software Delivery Cloud, or may be downloaded as an extension to Oracle JDeveloper. JDeveloper is a prerequisite to using MAF Foundation and must be downloaded from Oracle Technology Network ("OTN"); see [http://www.oracle.com/technetwork/developer-tools/jdev/downloads/index.html](http://www.oracle.com/technetwork/developer-tools/jdev/downloads/index.html).

Notwithstanding any other terms, use of JDeveloper is subject to the OTN license agreement associated with JDeveloper; view the license agreement at [http://www.oracle.com/technetwork/licenses/jdev-license-152012.html](http://www.oracle.com/technetwork/licenses/jdev-license-152012.html).

**Definitions**

"Application Archive" refers to the MAF Foundation mobile application archive, which is an Oracle proprietary mobile application deployment format that can only be used with Oracle supported development tools. It is not related to or based on any non-Oracle application archive format, including iOS application archives.

"Application Executable" refers to a mobile application executable installation file, such as an apk or ipa file.

"Application Workspace" refers to a series of files making up the source code of a mobile application developed using MAF Foundation.

"Data Control" refers to MAF Foundation mobile application artifacts that provides standard metadata interfaces to business services (such as web services) accessed by the mobile application.

"Feature" refers to specific MAF Foundation mobile application artifacts that are the building blocks of a mobile application, where each Feature integrated into the mobile application performs a specific set of tasks.

Table 1

Capabilities that may be used when MAF Foundation is included as a component within another Oracle product.
**EXHIBIT D – JD Edwards EnterpriseOne ADF Applications Restricted Use**

Oracle supports user development of web applications for JD Edwards EnterpriseOne using Oracle Application Development Framework (ADF). These applications are referred to as EnterpriseOne ADF applications. JD Edwards (JDE) EnterpriseOne includes Oracle-developed ADF applications which users can deploy and run without changes, and which customers can also customize or modify.

Subject to users having a then-current Oracle support plan covering EnterpriseOne and Oracle's then-current support policies and terms,
(a) Oracle will provide users with support and maintenance for unmodified EnterpriseOne ADF applications as provided by Oracle and Oracle Application Interface Services (AIS) Java Client APIs; and

(b) Oracle will provide users with support and maintenance for user development of new EnterpriseOne ADF applications and customization of Oracle-provided EnterpriseOne ADF applications using Oracle AIS Java Client APIs, provided the following applies:

- Development and customization must utilize JDE ADF Helpers utilities and Oracle ADF Task Flows.
- Support of new and customized EnterpriseOne ADF applications is limited to support of Oracle AIS Java Client APIs. Oracle does not provide support for the logic in new and customized EnterpriseOne ADF applications developed by a user, or for any new or customized EnterpriseOne ADF applications developed using APIs other than Oracle AIS Java Client APIs.

1.28 EXHIBIT E – List of JD Edwards EnterpriseOne Base Applications

- JD Edwards EnterpriseOne Advanced Contract Billing
- JD Edwards EnterpriseOne Advanced Job Forecasting
- JD Edwards EnterpriseOne Advanced Pricing
- JD Edwards EnterpriseOne Advanced Real Estate Forecasting
- JD Edwards EnterpriseOne Advanced Stock Valuation
- JD Edwards EnterpriseOne Agreement Management
- JD Edwards EnterpriseOne Apparel Management
- JD Edwards EnterpriseOne Blend Management
- JD Edwards EnterpriseOne Bulk Stock Inventory
- JD Edwards EnterpriseOne Buyer Workspace
- JD Edwards EnterpriseOne Capital Asset Management
- JD Edwards EnterpriseOne Case Management
- JD Edwards EnterpriseOne Condition-Based Maintenance
- JD Edwards EnterpriseOne Configurator
- JD Edwards EnterpriseOne Contract and Service Billing
- JD Edwards EnterpriseOne CRM Foundation
- JD Edwards EnterpriseOne Customer Self Service
- JD Edwards EnterpriseOne Demand Flow Manufacturing
- JD Edwards EnterpriseOne Demand Scheduling Execution
- JD Edwards EnterpriseOne Equipment Cost Analysis
- JD Edwards EnterpriseOne Environmental Accounting and Reporting
- JD Edwards EnterpriseOne Financials
- JD Edwards EnterpriseOne Fulfillment Management
- JD Edwards EnterpriseOne Grower Management
- JD Edwards EnterpriseOne Grower Pricing and Payments
- JD Edwards EnterpriseOne Homebuilder Management
- JD Edwards EnterpriseOne Manufacturing Management
- JD Edwards EnterpriseOne In-Memory Planning Advisor
- JD Edwards EnterpriseOne In-Memory Project Portfolio Advisor
- JD Edwards EnterpriseOne In-Memory Sales Advisor
- JD Edwards EnterpriseOne Inventory Management
- JD Edwards EnterpriseOne One View Foundation
- JD Edwards EnterpriseOne Operational Sourcing
- JD Edwards EnterpriseOne Outbound Inventory Management
- JD Edwards EnterpriseOne Procurement and Subcontract Management
- JD Edwards EnterpriseOne Product Variants
- JD Edwards EnterpriseOne Project Costing
- JD Edwards EnterpriseOne Quality Management
- JD Edwards EnterpriseOne Real Estate Management
- JD Edwards EnterpriseOne Rental Management
- JD Edwards EnterpriseOne Requirements Planning
- JD Edwards EnterpriseOne Requisition Self Service
- JD Edwards EnterpriseOne Resource Assignments
- JD Edwards EnterpriseOne Sales Force Automation
- JD Edwards EnterpriseOne Sales Order Management
- JD Edwards EnterpriseOne Service Management
- JD Edwards EnterpriseOne Service Management Foundation
- JD Edwards EnterpriseOne Supplier Self Service
- JD Edwards EnterpriseOne Transportation Management
- JD Edwards EnterpriseOne Warehouse Management

1.29 EXHIBIT F – List of JD Edwards EnterpriseOne Applications That Do Not Apply to Mobile Access

- JD Edwards EnterpriseOne Expense Management
- JD Edwards EnterpriseOne Health & Safety Incident Management
- JD Edwards EnterpriseOne Human Resources
- JD Edwards EnterpriseOne Payroll
- JD Edwards EnterpriseOne Self Service Human Resources
- JD Edwards EnterpriseOne Time and Labor
### 2.1 Open Source Software

Required notices for open source software products or components distributed in JD Edwards EnterpriseOne are identified in the following table along with the applicable licensing information. Additional notices and/or licenses may be found in the included documentation or readme files of the individual third party open source software.

<table>
<thead>
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<th>Provider</th>
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New code artifacts as of release 0.9.7:

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**DOM: Dom Level 3 core specification, Version 1**

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"dns-prefetch-control": "0.1.0"

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"expect-ct": "0.1.1",

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"feature-policy": "0.2.0",

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helmet-csp": "2.7.1"

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**Jersey**

Jersey version 1.17.1

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// Modifications by Joshua Bell inexorabletash@gmail.com
// https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01

// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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==== knockout-amd-helpers 0.7.3 ====

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Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js

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enc/encdb.c
enc/euc_jp.c
enc/euc_kr.c
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random.c

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Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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missing/strlcat.c

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AUTHOR: Antoon Bosselaers, ESAT-COSIC
(Arranged for libc by Todd C. Miller)
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ext/nkf/nkf-utf8/nkf.c:
ext/nkf/nkf-utf8/utf8tbl.c:

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**slf4j-api version 1.7.7**

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  debug: 4.1.0,
  engine.io: 3.3.1,
has-binary2: 1.0.2,
socket.io-adapter: 1.1.0,
socket.io-client: 2.2.0,
socket.io-parser: 3.3.0
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**sshpk 1.15.2**

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"homepage": "https://github.com/arekinath/node-sshpk#readme",

"dependencies": {
  "asn1": "0.2.3",
  "assert-plus": "1.0.0",
  "dashdash": "1.12.0",
  "getpass": "0.1.1",
  "safer-buffer": "2.0.2"
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**ssh2 0.5.4**

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**swagger-inflector 1.0.16**

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**swagger-parser 1.0.40**

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JPython was created in late 1997 by Jim Hugunin. Jim was also the primary developer while he was at CNRI. In February 1999 Barry Warsaw took over as primary developer and released JPython version 1.1.

In October 2000 Barry helped move the software to SourceForge where it was renamed to Jython. Jython 2.0 and 2.1 were developed under the Jython specific license below.

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Streaming API for XML (JSR-173) Specification

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Jean-loup Gailly          Mark Adler
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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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**gdal/ogr/ogrsf_frmts/dxf/intronurbs.cpp**

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Based upon the plugin by Tzury Bar Yochay:
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Original idea by:

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