Architecture Data Sheet
Version 17

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Contents

EnterpriseTrack Architecture Overview

The Oracle Instantis EnterpriseTrack system is a web-based application built on standard Java technologies. It is accessible to users through standard Internet browsers. For customers who host the application on-premise, the application runs on Java server platforms and uses an SMTP mail server for internally generated outbound emails.

In This Section

Core Functionality

The EnterpriseTrack application provides the following core functionality:

- **Strategy and Process Management**: Define a portfolio of strategic goals and initiatives and use it to drive business and IT strategy execution from the top down.
- **Idea Management**: Capture new project ideas and filter requests by leveraging an online portal.
- **Demand Management**: Streamline and standardize in-take capture, workflow, prioritization, resource scoping, and approval processing for simple and complex project work demand.
- **Proposal Management**: Enforce a standardized workflow for promoting an idea to a proposal, selecting and approving proposals, ensuring alignment with strategic goals.
- **Capacity Management**: Facilitate resource optimization via "what if" scenario planning to simulate the impact of shifting, excluding, or adjusting effort of proposed project plans.
- **Resource Management**: Enhance resource pool visibility and allocation control by balancing in-bound work demand with available resource supply (i.e. time, people, and money).
- **Project Management**: Ensure best practice application of chosen methodologies, increase project visibility (status, issues, risks, etc.) and guide project team execution success.
- **Knowledge Management**: Improve project success rates by leveraging a centralized knowledge base of project best practices, documents, tools and templates.
- **Finance Management**: Track planned vs. actual costs with top-down and bottom-up project budgeting, as well as capitalization, expense, and charge back accounting.
- **Metrics Management**: Track and roll-up non-financial performance indicators such as defects, service levels, trouble tickets, or any other operational metric of choice.
- **Survey Management**: Gather feedback on demand from key internal customers and stakeholders with simple online surveys and polls.
- **Dashboards and Reports**: Compose and share project- and portfolio-level dashboards and reports at any phase of the project life cycle from ideas to proposals to project execution to metrics and results.

- **Collaboration**: Deploy a seamless, fully integrated social networking capability for project team and stakeholder communication and collaboration and realize immediate productivity results.
- **Integration**: Leverage a comprehensive portfolio of options for integrating with desktop applications and project management tools, enterprise applications, and IT service management systems.
- **Mobile App**: Approve or reject timesheets and view dashboards on iOS and Android devices using the EnterpriseTrack mobile app.

Server Requirements

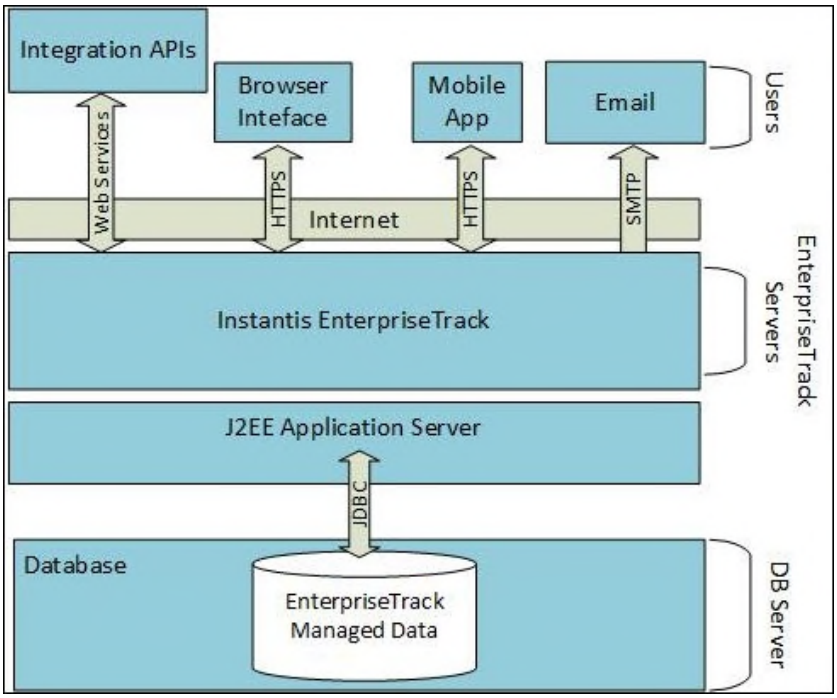
Oracle Instantis EnterpriseTrack is a Java 2 Platform, Enterprise Edition (J2EE platform) web application. The J2EE platform consists of a set of industry-standard services, APIs, and protocols that provide functionality for developing multi-tiered, web-based, enterprise applications. It requires the following elements:

- **Middle-tier**: J2EE-compliant application server and web server. If not already installed, you will need to install the Java JDK available from Oracle.
- **Database Server**: The main database for all your data. It uses the Oracle Database to store data.
- **Database Client Connectivity**: JDBC client driver to talk to the Oracle Database. This needs to be installed on all middle-tier machines.
- **Mail**: An SMTP capable mail server (e.g.: Sendmail, Microsoft Exchange, etc.) is required to deliver outbound SMTP email messages.
- **Operating Systems**: Windows or Linux.

Refer to the *Tested Configurations* document for minimum hardware requirements and supported versions of operating systems and databases.

Fit in the Enterprise

EnterpriseTrack is designed to work with a variety of hardware and software, as well as integrate with existing Enterprise systems. The figure below depicts how it fits within the enterprise.



Oracle Instantis EnterpriseTrack resides on an application server. The application data repository resides on the database server. Typical Oracle Instantis EnterpriseTrack deployments consist of the following components:

- A clustered web server, which is load balanced using a load balancing router or software solution. End-users, including administrators, interact with Oracle Instantis EnterpriseTrack through these web servers.
- A clustered J2EE application server on which Oracle Instantis EnterpriseTrack is deployed.
- RDBMS as a data repository for Oracle Instantis EnterpriseTrack. Depending on the dataset size, the database server can be a standalone or clustered server.

Deployment Options

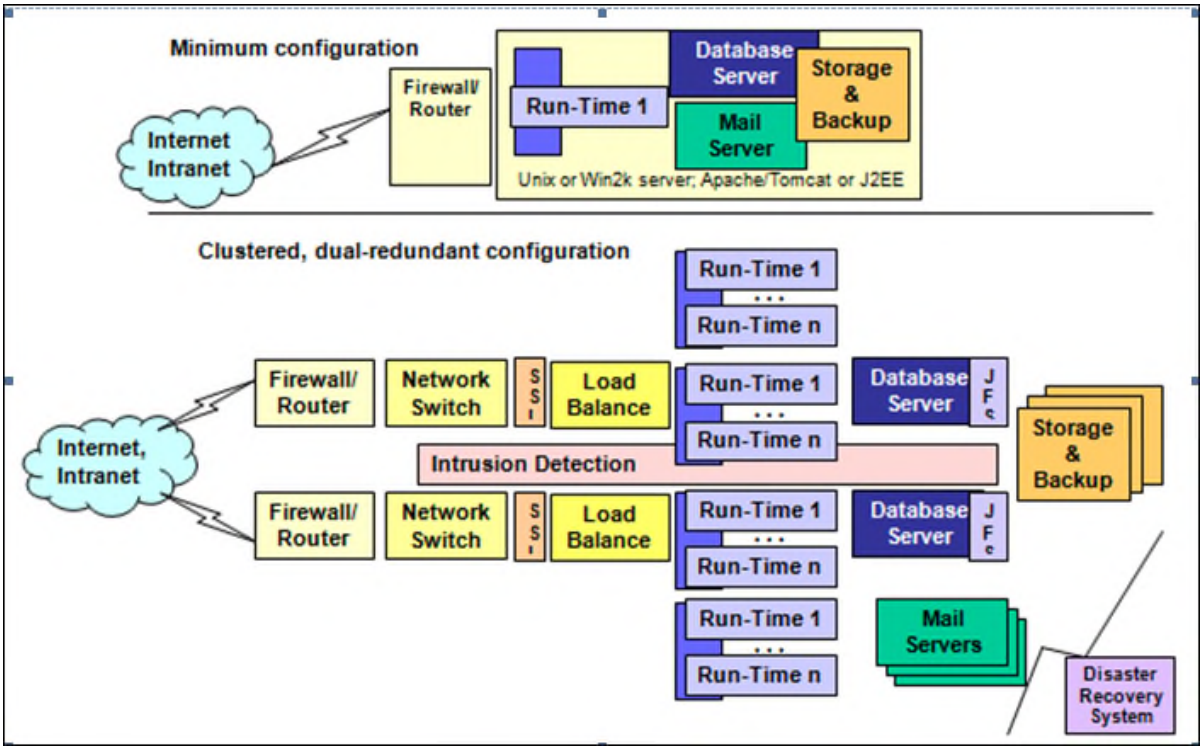
EnterpriseTrack is available for on-premise deployment or as a software service from Oracle Cloud.

In This Section

EnterpriseTrack Deployment Configuration Options

EnterpriseTrack is designed to be highly scalable, reliable, and secure. The figure below depicts two scenarios for the deployment of EnterpriseTrack within the enterprise:

- Minimum configuration
- Clustered, dual-redundant configuration



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