Oracle® Big Data Appliance

Site Checklists

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Complete these checklists to ensure the site is prepared for Oracle Big Data Appliance:

- Preinstallation Site Evaluation
- System Components Checklist
- Data Center Room Checklist
- Data Center Environment Checklist
- Access Route Checklist
- Facility Power Checklist
- Safety Checklist
- Logistics Checklist
- Network Configuration Checklist
- Auto Service Request Checklist

Preinstallation Site Evaluation

This section provides basic customer contact information and evaluates the overall readiness of the site for installation.

Description	Site Information
Customer name	
Customer signature and date (optional)	
Customer address	
Customer contact Name: Title: Email: Telephone:	
Oracle installation service request number (if known)	

Description	Site Information
Installation type: How many racks? New installation or extension to existing installation?	
Is the site prepared for installation? **A: Pass**. All complete and ready for installation **B: Conditional pass**. Not ready, but all open issues are scheduled to be fixed. **F: Fail**. Not ready, and some open issues are not scheduled to be fixed.	Select one
Open issues: What did not pass? When is it scheduled to be done?	
Site comments:	

System Components Checklist

Complete the following checklist to ensure that the systems component considerations have been addressed.

System Components Checklist Items	Yes	No	N/A	Comment
Is the rack installation a new system or an addition to an existing system? If it is an addition to an existing system, then refer to the *Oracle Big Data Appliance Owner's Guide* for multirack cabling information.	☐	☐	☐	
How many Oracle Big Data Appliance racks will be installed?	--	--	--	
Was the multirack cabling service purchased?	☐	☐	☐	
If more than three racks will be installed, then were additional, longer cables ordered?	☐	☐	☐	
Are all Oracle Big Data Appliance racks adjacent to each other?	☐	☐	☐	

System Components Checklist Items	Yes	No	N/A	Comment
If the connecting racks are not within the specified proximity, then have the following been done: ■ Purchased approved longer InfiniBand cables from an approved third-party provider? ■ Asked Oracle Support Services to provide and schedule the custom multirack cabling service with the installation?				
Have you purchased the cables and transceivers to connect the InfiniBand Gateway switches to your 10GigE network infrastructure?				
Will the Ethernet switch be replaced? If yes, then have you arranged for the replacement switch installation?				
Will additional equipment be attached to the rack?				

Data Center Room Checklist

Complete the following checklist to ensure that the data center room requirements are met for Oracle Big Data Appliance Rack.

For information about space and flooring requirements, see the *Oracle Big Data Appliance Owner's Guide*.

Data Center Room Checklist Items	Yes	No	N/A	Comment
Has the Oracle Big Data Appliance Rack location been allocated?				
Is the allocated location vacant and ready for the new equipment?				
Does the floor layout meet the equipment maintenance access requirements?				
Is there adequate space available for maintenance?				
Have cabinet stabilization measures been considered?				
Does the data center have a raised floor?				

Data Center Room Checklist Items	Yes	No	N/A	Comment
Does the raised floor satisfy the weight requirements for the new hardware?				
Do the raised floor tiles provide sufficient cutout space for the power cord plugs to pass through to the subfloor?				
Can floor tiles be removed without permission to accommodate service?				
Will the new hardware location require any non-standard cable lengths?				
Is the floor to ceiling height a minimum of 2914 mm or 2.9 m (9.6 feet)?				
Is the depth of the raised floor a minimum of 46 cm (18 inches)?				

Data Center Environment Checklist

Complete the following checklist to ensure that the data center environment requirements are met for Oracle Big Data Appliance Rack.

For information about temperature and humidity requirements, see the *Oracle Big Data Appliance Owner's Guide*.

Data Center Environment Considerations	Yes	No	N/A	Comment
Does the computer room air handling meet temperature and humidity requirements?				
Does the installation floor layout satisfy the ventilation requirements?				
Will the equipment be positioned so the exhaust air of one rack does not enter the air intake of another rack?				
Are the perforated floor tiles each rated at 400 CFM or greater?				
Do the data center air conditioners provide sufficient front to back airflow?				

Data Center Environment Considerations	Yes	No	N/A	Comment
Is airflow adequate to prevent hot spots?				
Can the data center continuously satisfy environmental requirements?				
Can more vented floor tiles be obtained if required?				

Access Route Checklist

Complete the following checklist to ensure that the access route requirements are met for Oracle Big Data Appliance Rack.

For information about access route requirements, see the *Oracle Big Data Appliance Owner's Guide*.

Access Route Considerations	Yes	No	N/A	Comment
Has the access route been checked for clearances of the packaged equipment?				
Do all the doors and entry ways conform to the width and height requirements for transportation, including the width of the unpacked unit?				
Do all the doors meet the height requirement of 87 inches for packaged delivery?				
Does the access route provide sufficient space for transport of the packed devices?				
Are there any ramps or thresholds that are of concern? If yes, then provide details.				
Are there any stairs or ramps in the moving path for the new hardware?				
Have you confirmed that all route incline angles are within the permitted range?				
Have you confirmed that the access route is free of any obstacles that would expose the device to shock?				
Are all the surfaces acceptable for rolling the new unpacked and packed equipment?				
If a pallet jack will be used, then have you confirmed that it supports the device weight?				

Access Route Considerations	Yes	No	N/A	Comment
If there are stairs, then is a loading elevator accessible for the equipment?				
If an elevator is to be used, then have you confirmed the following: ■ The elevator car is wide enough for the device to be carried into it? ■ The elevator car is high enough for the device to be carried into it? ■ Are elevators available to handle the 993 kg (2189 lbs) shipping weight? ■ The elevator door meets the height requirement of 2159 mm (85 inches) for packaged rack delivery?				Width: Height: Capacity:
Does the path from the receiving location to the designated data center area support the weight of the unpacked equipment?				
Is the path onto the raised floor rated for dynamic loading of the server?				

Facility Power Checklist

Complete the following checklist to ensure that the facility power requirements are met for Oracle Big Data Appliance Rack.

For information about power requirements, see the *Oracle Big Data Appliance Owner's Guide*.

Facility Power Considerations	Yes	No	N/A	Comment
What are the power requirements of the system, such as operating voltage and electric current level of the device and peripherals?	--	--	--	
Will you be using single-phase (low-voltage or high-voltage) or 3-phase (low-voltage or high-voltage) power?				
Are enough power outlets provided within 2 meters for each rack?				
Do the power outlets have appropriate socket receptacles for the PDU option ordered? Options are low voltage or high voltage, single-phase or 3-phase.				

Facility Power Considerations	Yes	No	N/A	Comment
Will optional ground cables be attached to the rack?				
Are the circuit breakers for the equipment suitable in terms of voltage and current-carrying capacities?				
Does the power frequency meet the equipment specifications?				
Are power outlets available for the new equipment at the designated location?				
Will system power be delivered from two separate grids?				
Is there a UPS to power the equipment?				
Do you have the minimum required power sources to support the power load for the new hardware? Use kilowatt (kW) /kilovolt (kVA) to express power load.				

Safety Checklist

Complete the following checklist to ensure that the safety requirements are met for Oracle Big Data Appliance Rack.

For information about powering on and off, see the *Oracle Big Data Appliance Owner's Guide*. For information about temperature and humidity requirements, see the *Oracle Big Data Appliance Owner's Guide*.

Safety Checklist Considerations	Yes	No	N/A	Comment
Is there an emergency power shut off?				
Is there a fire protection system in the data center room?				
Is the computer room adequately equipped to extinguish a fire?				
Is antistatic flooring installed?				

Logistics Checklist

Complete the following checklist to ensure that the logistics requirements are met for Oracle Big Data Appliance Rack.

For information about unpacking and space requirements, see the *Oracle Big Data Appliance Owner's Guide*.

Logistics Checklist Considerations	Yes	No	N/A	Comment
Do you have contact information for the data center personnel?				
Is there security or access control for the data center?				
Are there any security background checks or security clearances required for vendor personnel to access the data center? If yes, then do you have a recommended agency?				
How many days in advance must background checks be completed?				
Are there any additional security access issues?				
Is computer room access available for installation personnel?				
Are laptops, cell phones, and cameras allowed in the data center?				Restricted devices:
Does the building have a delivery dock?				
Is there a delivery, unpacking, and staging area?				
Is the delivery inside?				
If the delivery is not inside, then is the site prepared for uncrating?				
Is the unpacking and staging area protected from the elements?				
Does the building have adequate receiving space?				
Is the unpacking area air-conditioned to avoid thermal shock for various hardware components?				
Will sufficient moving personnel be available to install the hardware?				
Is union labor required for any part of the delivery or installation?				

Logistics Checklist Considerations	Yes	No	N/A	Comment
Are you prepared for uncrating and trash removal?				
Is uncrating of cabinet and cabinet trash removal required?				
Are there any restrictions on delivery truck length, width, or height?				
Are cardboard boxes and other packing material allowed in the computer room? If not, then do ground level deliveries require a truck with a side rail lift?				
Is there a time constraint on dock access? If yes, then provide time constraints.				
Is tail lift required on delivery carrier to unload the equipment at the delivery dock?				
Will any of the following be required to place equipment in computer room? ■ Stair walkers ■ Lifters ■ Ramps ■ Steel plates ■ Floor covers				
Does the delivery carrier require any special equipment, such as non-floor damaging rollers, transport dollies, pallet jacks or fork lifts?				

Network Configuration Checklist

Complete the following checklist to ensure that the network configuration requirements are met for Oracle Big Data Appliance.

For information about IP addresses, see the *Oracle Big Data Appliance Owner's Guide*.

> **Note:** The network administrator should be available on-site during the installation of Oracle Big Data Appliance (1 to 2 days). Otherwise, a problem with the customer network may cause extended delays.

Network Specification Considerations	Yes	No	N/A	Comment
Were any conflicts found while running the `preinstall-checkip.sh` script before connecting the network? See the *Oracle Big Data Appliance Owner's Guide* for information on the script.				
Were any conflicts found while running the `preinstall-checkip.sh` script after initial configuration? See the *Oracle Big Data Appliance Owner's Guide* for information on the script.				
Did you run the required network cables from your network equipment to the location where Oracle Big Data Appliance Rack will be installed?				
Did you label the network cables that will connect to Oracle Big Data Appliance Rack?				
How may 10GbE connections will be configured for each Gateway switch? You can have 1-8 connections for each switch for a total of 2-16 connections for an appliance. The minimum is two connections: one per switch.				
Have the appropriate transceivers and cables for connecting the QSFP ports on the Gateway switches to the 10 GbE client network switch been ordered?				
Will the Cisco Ethernet switch have IP routing disabled?				

Auto Service Request Checklist

Complete the following checklist if you are planning to use Auto Service Request with Oracle Big Data Appliance.

For information about Auto Service Request, see the *Oracle Big Data Appliance Owner's Guide*.

ASR Service Request Considerations	Yes	No	N/A	Comment
Do you have a My Oracle Support account?				
Do you have your Oracle Customer Support Identifier (CSI)?				
Do you have the host name and IP address of the server that will host ASR Manager?				
Will the system need a proxy server? If so, what is the host name and IP address for the proxy server?				
Do you have the Technical Contact information for Auto Service Request? This information includes the first name, last name, and email address of the contact and the correct shipping address for the systems. **Note**: Verify the serial numbers because multiple systems at multiple sites may be listed under the same Customer Support Identifier.				

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