



Oracle9i Application Server Release 2 (v9.0.2) - Install FAQ

Comparison between Oracle9iAS Rel1 and Rel2 Installation

Oracle9iAS Release 2 (9.0.2) Install Concepts

Oracle9iAS Release 2 (9.0.2) Install Details

1. What are the main differences between Oracle9iAS Release 1 and Release 2 install?

Oracle9iAS Release 1 (1.0.2.x) and Release 2 (9.0.2) installs differ in the following categories:

- Install Architecture
- Install Types
- Install Upgrade Support
- Install Phases
- Install time Database Dependency
- Infrastructure Support

2. Why is there a significant change in install in Oracle9i Application Server Release 2 (9.0.2) compared to Release 1?

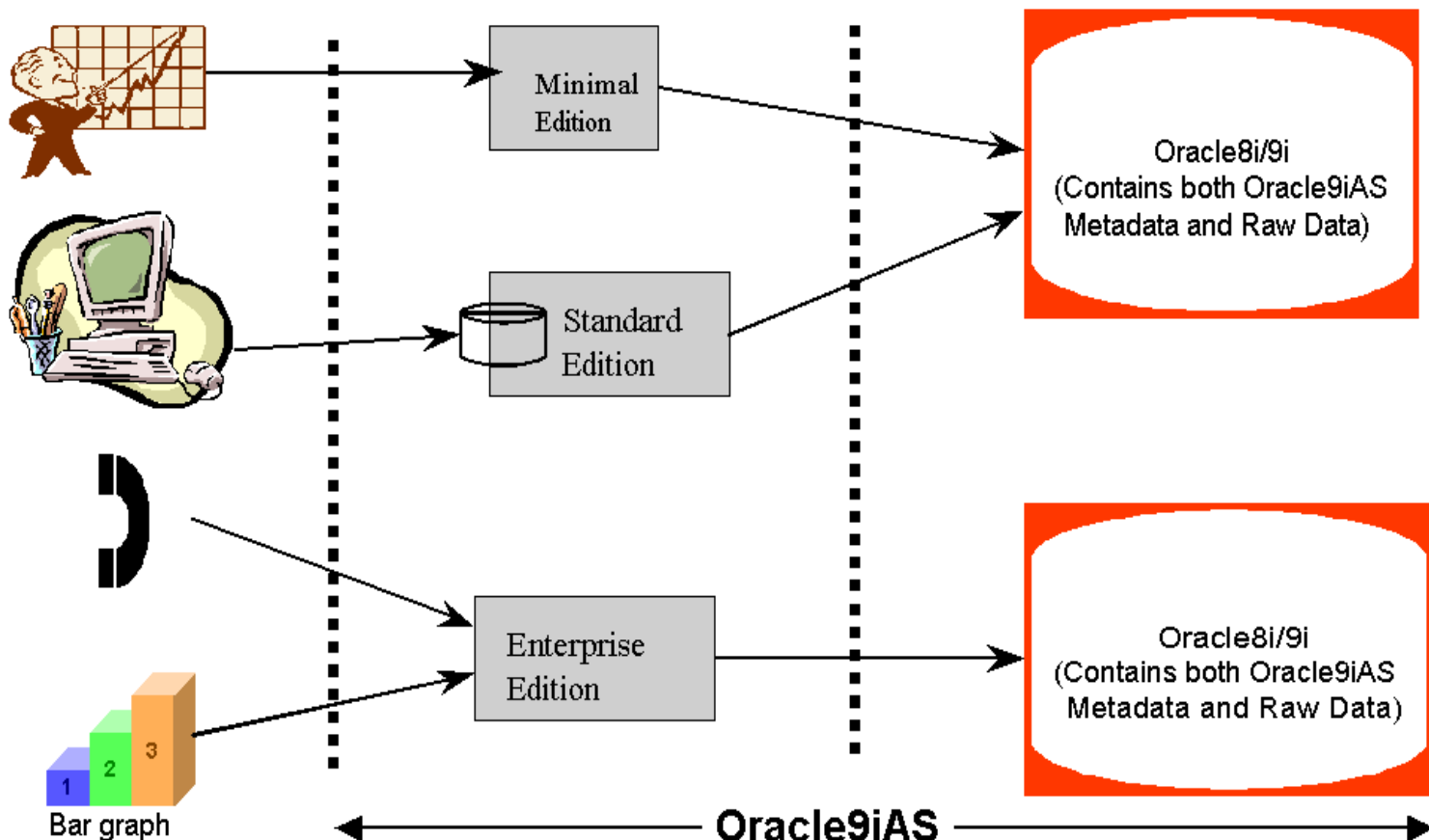
Oracle9iAS Release 2 installation architectural changes were made to:

- Enable easier, faster installs
- Enable the install process to align with the application server user profile
- Enable the install types to address specific business usage requirements
- Enable the install to better deploy the product in a heterogeneous environment
- Enable the product to provide complete set of infrastructure support such as management and security
- Replace the older components with the latest, lightweight, standard based components

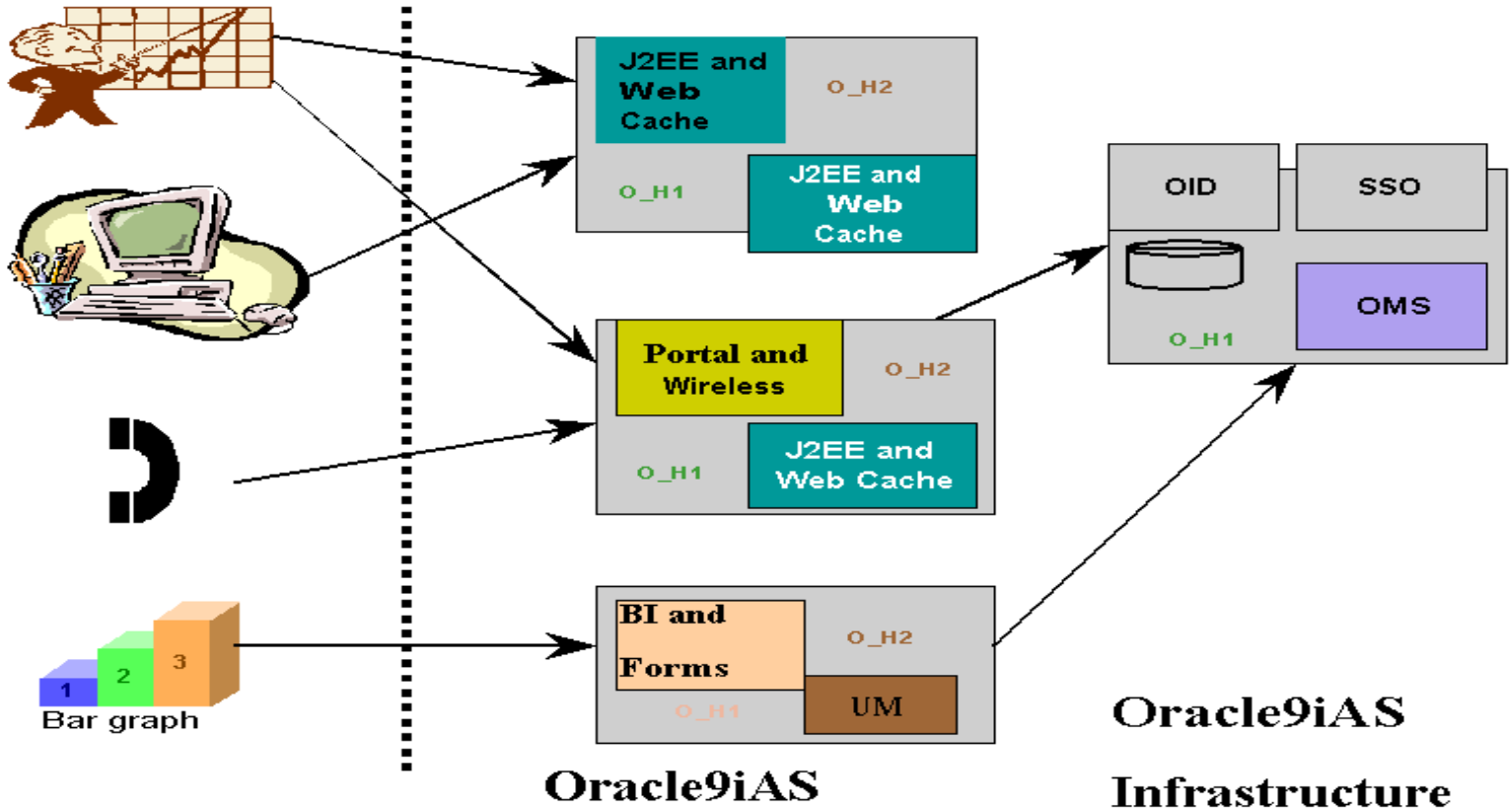
3. What are the install architectural differences?

The following two diagrams explain the main architectural differences. For more details on Oracle9iAS Release 2 (9.0.2) Install Concepts, [click here](#).

Oracle9iAS Release 1 (1.0.2.x) Install Architecture:



Oracle9iAS Release 2 (9.0.2) Install Architecture:



4. What are the other install differences?

Install Comparison

Differences	Oracle9iAS Release 1 (1.0.2.x)	Oracle9iAS Release 2 (9.0.2)
Install Types	Minimal Edition Standard Edition Enterprise Edition	Oracle9i Application Server <ul style="list-style-type: none"> ● J2EE and Web Cache ● Portal and Wireless ● Business Intelligence and Forms ● Unified Messaging Oracle9iAS Infrastructure Oracle9iAS Developer Kits
Install Type Upgrade options after installation	Minimal Edition to Standard Edition Minimal Edition to Enterprise Edition	J2EE and Web Cache to Portal and Wireless J2EE and Web Cache to Business Intelligence J2EE and Web Cache to Unified Messaging Portal and Wireless to Business Intelligence Portal and Wireless to Unified Messaging Business Intelligence to Unified Messaging
Install time - Solaris minimum footprints (Refer to platform specific Oracle9iAS Installation Guide for other platforms)	Hard Disk Requirements: <ul style="list-style-type: none"> ● Minimal Edition: <ul style="list-style-type: none"> ○ Mid tier - 725MB ○ Database footprint - 1GB System Tablespace and 400MB User Tablespace ● Standard Edition: <ul style="list-style-type: none"> ○ Mid tier - 2.25GB and 430MB for EJE Database ○ Database footprint - 1GB System Tablespace and 400MB User Tablespace ● Enterprise Edition: <ul style="list-style-type: none"> ○ Mid tier - 4.5GB ○ Database footprint - 1GB System Tablespace 	Hard Disk Requirements: <ul style="list-style-type: none"> ● J2EE and Web Cache - 435MB ● Portal and Wireless - 0.985GB ● Business Intelligence and Forms - 2.1GB ● Unified Messaging - 2.2GB ● Infrastructure - 3.58GB (Database binaries - 1.87GB, datafiles - 1.7G) ● Developer Kits - 711MB Minimum Memory recommended: (memory required to finish the install, and to start all components within the install type): <ul style="list-style-type: none"> ● J2EE and Web Cache - 128MB ● Portal and Wireless - 256MB ● Business Intelligence and Forms - 512MB

	<p style="text-align: center;">and 400MB User Tablespace</p> <p>Minimum Memory recommended: (memory required to finish the install, and to start all components within the install type):</p> <ul style="list-style-type: none"> ● Minimal Edition: 256MB ● Standard Edition: 512MB ● Enterprise Edition: 1G <p>Minimum SWAP/TEMP space recommended: For all install types: 800MB</p>	<ul style="list-style-type: none"> ● Unified Messaging - 512MB ● Infrastructure - 512MB ● Developer Kits - 128MB <p>Minimum SWAP/TEMP space recommended: For all install types: 1G</p>
<p>Install Phases - Prerequisite Check</p>	<p>List of checks performed by installer are:</p> <ul style="list-style-type: none"> ● Hard disk availability check ● RAM availability check ● CPU check ● O/S version check ● Oracle_Home validation ● LD_LIBRARY_PATH, PATH, CLASSPATH validation 	<p>List of checks performed by installer are:</p> <ul style="list-style-type: none"> ● Hard disk availability check ● RAM availability check ● SWAP/TEMP space availability check ● /var/tmp space availability check ● CPU check ● O/S version check ● Oracle_Home validation ● LD_LIBRARY_PATH, PATH, CLASSPATH validation ● /etc/host validation (UNIX only) ● All Oracle9iAS Release2 (9.0.2) installations be carried out by the same user (UNIX only) ● JDK version Check (HP, AIX, Tru64, Linux only) ● All mid-tier must share the same Infrastructure ● No Oracle9iAS Infrastructure install is allowed into any existing Oracle9i Application Server Oracle_Homes ● No Oracle9iAS Release2 (9.0.2) install is allowed into any existing 8.0 or 8.x based Oracle_Home ● Port conflicts detection and resolution
<p>Install Phases - Interview</p>	<p>This phase is spread throughout the install process. User input required at both Interview and Configuration Phases are described below.</p> <ul style="list-style-type: none"> ● Minimal Edition: <ul style="list-style-type: none"> ○ Minimum of 12 questions asked. Database information such as Host, Port, Database connect string, Portal schema user account, DAD user account, Wireless user account, SYS user account, SYSTEM account are required. ● Standard Edition: <ul style="list-style-type: none"> ○ Minimum of 14 questions asked. In addition to the Minimal Edition Database information, EJE Global Name, EJE Database SID are required. ● Enterprise Edition: <ul style="list-style-type: none"> ○ Minimum of 14 questions asked. In addition to Minimal Edition database Information, Origin DB Name, Port, Service, SYSDBA account information are required. 	<p>This phase gathers all user input upfront during the install process. User input is not required during Configuration Phase.</p> <ul style="list-style-type: none"> ● J2EE and Web Cache: <ul style="list-style-type: none"> ○ Min of 3 and Max of 6 questions asked. No database information required. ● Portal and Wireless/Business Intelligence and Forms/Unified Messaging: <ul style="list-style-type: none"> ○ Min of 7 and max of 8 questions asked. No database information required. Infrastructure information required. ● Oracle9iAS Infrastructure: <ul style="list-style-type: none"> ○ Minimum of 3 and Maximum of 8 questions asked. Database character set and DBA Group (Unix only) information is required. No other Database information required. ● Oracle9iAS Developer Kits: <ul style="list-style-type: none"> ○ Maximum of 3 questions asked. No database information required.
<p>Install Phases - Configuration Phase</p>	<ul style="list-style-type: none"> ● Component configuration information is required even when component is not selected for configuration. ● Component configuration information is gathered through user input. ● Customization is possible during install phase. 	<ul style="list-style-type: none"> ● Component typical configuration is done without any user input. ● Further customization is possible using Enterprise Manager. ● Component is not configured and started if it is not selected for configuration.

Install time - Database Dependency	<ul style="list-style-type: none"> ● All Installations require the origin database to be available throughout the install process ● All Installations requires the database schema and user information to be available ● Each install require individual copy of product metadata. 	<ul style="list-style-type: none"> ● No installation require any customer database to exist during install. ● J2EE and Web Cache and Developer Kits install does not require Oracle9iAS Infrastructure ● Portal and Wireless, Business Intelligence and Forms, Unified Messaging install requires Oracle9iAS Infrastructure. ● No schema information is required for any install types. ● All install types can share the same set of metadata that is part of Oracle9iAS Metadata Repository, a component of Oracle9iAS Infrastructure.
Install time - Infrastructure Support	<ul style="list-style-type: none"> ● There is no out of the box administration capability. Post install configuration is required. ● Security model is dependent on Oracle9iAS component. 	<ul style="list-style-type: none"> ● Complete administration support by Enterprise Manager at the end of install. No post install configuration is required. ● Out of box security policy is enforced even during install. ● Consistent security model for the entire Oracle9iAS stack.

5. Will Oracle Corporation, support complete custom install of Oracle9iAS components in Release 2 or in future releases?

Oracle9i Application Server Release 2 (9.0.2) provides the ability to choose the install type which fits best for a particular business usage. Oracle believes that these install types addresses the most frequently deployed topologies needed by developers and enterprises. There are no plans to provide any more granular custom install options at this time.

6. Will Oracle Corporation, support custom deinstall of Oracle9iAS components in Release 2 or in future releases?

There are no plans to support custom or partial deinstall of Oracle9i Application Server instance. All components that are part of a particular instance will be deinstalled as part of the Oracle9iAS deinstall process.

7. Will Oracle Corporation, support specific Oracle9iAS component configurations in Release 2 or in future releases?

Oracle9iAS Release 2 (9.0.2) supports select Oracle9iAS component configurations, and will continue to do so in future releases. For example, a user can select to configure just Oracle9iAS Portal without configuring Oracle9iAS Wireless.

8. Will Oracle Corporation, support deconfiguration of any configured component, either from Oracle Enterprise Manager or by any other means?

There are no plans to support custom or select deconfigurations of components that form a Oracle9iAS instance. For example, once the user configures Oracle9iAS Portal, it is not possible to deconfigure Portal later on.

9. What does Oracle9i Application Server Install Type provide?

Oracle9i Application Server Install Type comprises of:

- **J2EE and Web Cache:** This install option, consists of HTTP Server with many mod extensions from Oracle, runtime environment to deploy Web Services, Java, J2EE, PL/SQL, C, C++, CGI applications along with caching capabilities. It also includes complete management and JAAS security framework.
- **Portal and Wireless:** In addition to what J2EE and Web Cache provides, this install option consists of runtime environment to deploy Portal and Wireless applications along with DAV capabilities.
- **Business Intelligence and Forms:** In addition to what Portal and Wireless provides, this install option consists of runtime environment to deploy full range of Business Intelligence solutions and Forms applications.
- **Unified Messaging:** In addition to what Business Intelligence and Forms provides, this install option consists of design time and runtime environment to deploy Unified Messaging solution.

10. What does Oracle9iAS Infrastructure Install Type provide?

Oracle9iAS Infrastructure comprises of:

- **Oracle9iAS Metadata Repository:** An Enterprise Edition of Oracle9i Database Server consisting of a seed database that includes product, management and security metadata.
- **Oracle Internet Directory:** An LDAP based directory service that is central store of Oracle9iAS configuration information.
- **Oracle9iAS Single Sign-On Server:** Enables single sign on capabilities for all types of applications.
- **Oracle Management Server (OMS):** OMS is required to manage Oracle9iAS Metadata Repository, Oracle9iAS Forms Services and Oracle9iAS InterConnect. All other components are managed by Oracle Enterprise Manager Website.

Except for the J2EE and Web Cache Install Type (with Oracle HTTP Server, OC4J, Oracle9iAS Web Cache, and Oracle Enterprise Manager Website components), all other Install Types and their components require Oracle9iAS Infrastructure. For J2EE and Web Cache Install Type, Oracle9iAS Infrastructure is required only if one desires to deploy Java/J2EE applications with single sign-on capability or wishes to use Oracle9iAS Clustering features.

11. What is the recommended memory and swap requirements for Oracle9iAS?

The following memory and swap space recommendations augment the minimums identified in the Installation Manual (Chapter 2). These recommendations are characterized by install type. They are based upon starting all components within each specific install type and running typical sample and demo applications.

In considering your hardware requirements, please note, optimal sizing for an Oracle9iAS installation is unique based upon:

- the profile of your Oracle9iAS installation (which components are configured and utilized)
- the size of your applications (such as the number of EJBs, Servlets, JSPs,

- Forms, Reports, Portlets and how big they are)
- the nature of your applications (largely transactional in nature vs
- primarily read-only)
- user load (number of concurrent users)
- pattern of usage (peak usage vs low usage)
- performance goals

Please refer to the Oracle9iAS Performance Guide for more information on performance monitoring and tuning.

[Memory and Swap Space recommendations for running the Mid-tier and Infrastructure on a single box](#)

J2EE and Web Cache with Infrastructure: Memory: 512MB RAM, Swap: 1GB
Portal and Wireless with Infrastructure: Memory: 1GB RAM, Swap: 1GB
BI and Forms with Infrastructure: Memory: 1GB RAM, Swap: 1GB

[Memory and Swap Space recommendations for running the Mid-tier and Infrastructure on separate boxes](#)

J2EE and Web Cache: Memory: 256MB RAM, Swap: 512MB
Portal and Wireless: Memory: 512MB RAM, Swap: 1GB
BI and Forms: Memory: 1GB RAM, Swap: 1GB
Infrastructure: Memory: 512MB RAM, Swap: 1GB

12. What is a customer database?

Oracle9iAS Release 2, refers to any database that contains operational data (also referred as raw data or regular data) as customer database. In the earlier versions of Oracle9iAS, it was also referred as origin database or backend database. Out of the box, Oracle9iAS Metadata Repository contains all the metadata required by Oracle9iAS runtime components. It is also possible to use the same Metadata Repository to contain operational data as well.

13. Can I use an existing Oracle9i Database Server to contain, Oracle9iAS Metadata Repository seed database ?

No. In Oracle9i Application Server Release 2 (9.0.2), it is not possible to populate Oracle9iAS Metadata Repository seed database into an existing Oracle9i Database Server. This will be supported in the future releases of Oracle9iAS.

14. Which Oracle9iAS Install Types can coexist on the same machine?

The following list outlines various Oracle9iAS Install Types that can coexist on a single host:

- One or more J2EE and Web Cache Install Types
- One or more Portal and Wireless Install Types
- One or more Business Intelligence and Forms Install Types
- One or more Unified Messaging Install Types
- Two or more installs of any combinations of J2EE and Web Cache, Portal and Wireless, Business Intelligence and Forms, Unified Messaging
- Any Oracle9i Application Server Install Type and Oracle9iAS Infrastructure
- One or more Oracle9iAS Infrastructure

15. Are there any restrictions on multiple Oracle9iAS Installs?

While doing multiple installations of Oracle9iAS Release 2 (9.0.2), you need to be aware of the following general restrictions:

- Every install has to reside in its own Oracle_Home.
- All installs on the same machine should be done by the same O/S user.
- Before the second or subsequent installs begins, Oracle Enterprise Manager should be shutdown.
- Each install should start a fresh instance of Oracle Universal Installer (OUI). Multiple installs by clicking on [Next](#) Install button from [End of Installation](#) screen of OUI is currently not supported.

16. Can multiple Oracle9i Application Server or mid-tier instances, share the same Infrastructure?

It is possible to share the same Infrastructure with multiple Oracle9i Application Server instances. Oracle strongly recommends using this topology, and encourages the deployment of Oracle9iAS instances on systems apart from the host which has Oracle9iAS Infrastructure configured. If there is a requirement to have multiple Oracle9iAS Infrastructures shared by different set of Oracle9iAS instances, that topology is also supported. These set of Oracle9iAS instances must exist on different Hosts. Please refer to Oracle9iAS Release 2 (9.0.2) Installation Guide and Oracle9i Application Server Administrator's Guide for more information.

17. Can Oracle9iAS instance and Oracle9iAS Infrastructure share the same HTTP Server?

HTTP Servers that are part of Oracle9iAS instances as well as Oracle9iAS Infrastructure, by default, are considered active. If they are to work from the same web server, then manual configuration is needed. Please refer to Oracle HTTP Server Administrator Guide, and Oracle9i Application Server Release Notes Addendum for more details.

18. Can Oracle9iAS instances and Oracle9iAS Infrastructure exist on heterogeneous systems?

Yes, it is possible to run Oracle9iAS instances and Oracle9iAS Infrastructure on systems running different O/S. For example it is possible to run Oracle9iAS instances on NT platform; whereas Oracle9iAS Infrastructure runs on Solaris box.

19. Which other Oracle products can be installed along with Oracle9iAS on the same system?

Oracle9iAS coexists with Oracle8i Database Server, Oracle9i Database Server, Oracle E-business Suite as well as Oracle9iDS. Furthermore, any Oracle9iAS mid-tier instances such as J2EE and Web Cache, Portal and Wireless, Business Intelligence and Forms, as well as Unified Messaging Install Types can coexist with Oracle9iDS - in the same Oracle_Home. All other Oracle products reside in their own Oracle_Home.

20. Which types of port conflicts does an Oracle9iAS install process detect?

Oracle9iAS Install process detects and resolves the following type of conflicts:

- Conflicts due to multiple Oracle9iAS Installs.
- Conflicts due to previous versions of Oracle9iAS.
- Conflicts due to any Oracle products either running or not running.

- Conflicts due to non-Oracle products that are running.

21. How are port conflicts resolved by Oracle9iAS Install process?

If there is a port conflict for any of the default port(s) that the Oracle9iAS components uses, then the install process assigns a free port from the range of ports as defined by the individual components. All Oracle9iAS components port information is logged by the install process at: `Oracle_Home/install/portlist.ini`. It is also possible to view the port numbers assigned during install from Oracle9iAS Welcome Page by pointing the browser to: `http://<local host>: <http port>`. If the port numbers are changed by the Enterprise Manager or Component Admin Tools or manually at any time after the installation completes, this file is not updated.

22. How do I deal with Port 1521 conflicts that might arise during Oracle9iAS Infrastructure Installation process?

Port 1521 conflicts can happen under three circumstances:

- **A non Oracle software uses this port:** If the conflict is due to a non Oracle application, please make sure that application is configured to use any port other than 1521.
- **There is already an Oracle8i Database Server on the system:** If the conflict is due to an Oracle8i Database Server on the same system, please upgrade the Net8 listener to Oracle Net Listener which is a 9i based listener software. Please refer to "Oracle9i Application Server Installation Guide, Release 9.0.2" for more details on the upgrade process. Once the upgrade is complete, the listener can be used both by Oracle8i and Oracle9i Database Servers.
- **There is already an Oracle9i Database Server on the system:** If the conflict is due to an Oracle9i Database Server on the same system, Infrastructure install can proceed with no additional work. The Oracle9iAS Metadata Repository component of Oracle9iAS Infrastructure will use the same listener.

23. Where can I find the various Oracle9iAS Component's default port numbers and the range of ports?

The default port numbers and the range of ports that are used in case of a port conflicts are listed in Oracle9i Application Server Installation Guide and Oracle9i Application Server Administrator's Guide.

24. What is a Primary Oracle9iAS Instance?

When multiple Oracle9iAS or Oracle9iAS Infrastructure installs are performed on a host, there is only one Oracle_Home which will contain the active Enterprise Manager Daemon to enable the Oracle Enterprise Manager Website. All installations on a single host are administered by this Enterprise Manager. The Instance which contains the active Enterprise Manager Daemon is referred to as the Primary Oracle9iAS Instance.

25. How can I identify the Primary Oracle9iAS Instance?

On Solaris, check for ACTIVE_EMD_HOME entry in `/tmp/emtab`. The Oracle_Home that contains this entry is the one from where Enterprise Manager is running.

26. What happens when the Primary Oracle9iAS Instance is deinstalled?

Oracle recommends deinstallation of the Primary Oracle9iAS Instance be carried out after all other instances on the machine are deinstalled. If for some reason, the Primary instance needs to be deinstalled, then the deinstall process will the prompt user to designate an alternate Primary instance from the remaining Oracle9iAS instances on the host.

27. Do all Oracle9iAS Instances on the host have to share the same Oracle9iAS Infrastructure?

Yes, all Oracle9iAS Instances such as J2EE and Web Cache (only if clustering or single sign on features are used), Portal and Wireless, Business Intelligence and Forms, as well as Unified Messaging on the same host have to share the same Oracle9iAS Infrastructure. The Infrastructure instance can either be on the same host or on a separate host. When the instances share the same Oracle9iAS Infrastructure, they all join the same "Farm".

28. Why am I prompted to enter the password for ias_admin user account during install?

The ias_admin user account gets created during the first installation on the host. This is the management account used by Oracle Enterprise Manager. This user account is also shared by all subsequent installations on the host.

29. Why am I prompted for Oracle Internet Directory Credentials during install and how is it used?

Oracle Internet Directory is the central source of information for all Oracle9iAS instances. Except for the J2EE and Web Cache Install type and Oracle9iAS Developer Kits install option, where Oracle9iAS Infrastructure use is optional, every Oracle9iAS install creates an instance object in Oracle Internet Directory, which needs credentials.

30. What type of Oracle Internet Directory credential is required to perform the above actions?

The user needs to belong to iASAdmins Group. By default, the orcladmin user is a member of this group. Note that the default password for the orcladmin user is the same as the ias_admin user password where the Internet Directory was installed.

31. What is the restriction on hostname entry during Oracle9iAS installation process?

Oracle9iAS Install process expects to find the fully qualified host name as a second entry in some of Solaris system files such as:

- `/etc/nodename`
- `/etc/hostname.hme0`
- `/etc/net/ticls/hosts`
- `/etc/net/ticots/hosts`
- `/etc/net/ticotsord/hosts`
- `/etc/inet/ipnodes`

This is an install time requirement only. It can be reset after successful installation.

32. Why is there a restriction on the hostname entry?

During install time, many Oracle9iAS Component Config Tools run and retrieve the hostname from these system files. These tools expects the entry to contain the fully qualified host name.

33. Which components are installed with various Install Options?

Oracle9iAS Components

High level components	J2EE and Web Cache	Portal and Wireless	Business Intelligence and Forms	Unified Messaging	Infrastructure	Developer Kits
Oracle HTTP Server	X	X	X	X	X (for internal use)	X
Oracle9iAS Containers for J2EE(OC4J)	X	X	X	X	X (for internal use)	X
Oracle9iAS Web Cache	X	X	X	X	X (not configured)	X
Oracle Enterprise Manager Website	X	X	X	X	X	X
Oracle9iAS Portal	.	X	X	X	.	.
Oracle9iAS Portal Developer Kit	.	X	X	X	.	X
Oracle9iAS Wireless	.	X	X	X	.	.
Oracle9iAS Wireless Developer Kit	.	X	X	X	.	X
Oracle9iAS Discoverer	.	.	X	X	.	.
Oracle9iAS Reports Services	.	.	X	X	.	.
Oracle9iAS Forms Services	.	.	X	X	.	.
Oracle9iAS Clickstream Intelligence	.	.	X	X	.	.
Oracle9iAS Personalization	.	.	X	X	.	.
Oracle9iAS Unified Messaging	.	.	.	X	.	.
Oracle9iAS Metadata Repository	.	.	.	.	X	.
Oracle9iAS Single Sign-on Server	.	.	.	.	X	.
Oracle Internet Directory	.	.	.	.	X	.
Oracle Management Server	.	.	.	.	X	.

34. How do I install Oracle Internet File System?

Oracle Internet File System is available on a supplemental CD in the Oracle9iAS CD Pack. It can be installed on top of any Oracle9i Application Server install types such as J2EE and Web Cache, Portal and Wireless, Business Intelligence and Forms, and Unified Messaging.

35. How do I install Oracle9iAS InterConnect?

Oracle9iAS InterConnect is available on a supplemental CD in the Oracle9iAS CD pack. It can be installed on top of any Oracle9i Application Server install types such as J2EE and Web Cache, Portal and Wireless, Business Intelligence and Forms, and Unified Messaging.

36. I want to install Oracle9iAS Containers for Java (OC4J) for development purposes. How can I get it installed on my machine?

Oracle9iAS Containers for J2EE (OC4J) Standalone is available on technet.oracle.com/products/ias. You can download it from there on to your development machine.

37. What is the relationship of OC4J Standalone and the OC4J that is part of Oracle9i JDeveloper?

The two versions of OC4J are identical.

38. What are the main differences between OC4J Standalone and OC4J that is part of J2EE and Web Cache install type?

- OC4J Developer Edition is a stand alone J2EE container that can be quickly downloaded to build and test Java/J2EE applications in a development environment. It uses AJP listener. It is not managed by Oracle Enterprise Manager.
- OC4J that is part of J2EE and Web Cache install type communicates with the Oracle HTTP Server through mod_oc4j. It is completely managed by Oracle Enterprise Manager. This is the container where enterprises deploy their Java/J2EE applications in a production environment.

39. Internally, Oracle9iAS uses OC4J to deploy its own components. On which OC4J instances do these applications get deployed?**OC4J Instance Names**

Install Type	OC4J Instance Name	Oracle9iAS Application
J2EE and Web Cache	(A) OC4J_home	Customer Applications
J2EE and Web Cache	(B) OC4J_Demos	Oracle9iAS Demonstrations
Portal and Wireless	(C) OC4J_Portal (in addition to A and B)	Portal
Portal and Wireless	(D) OC4J_Wireless (in addition to A and B)	Wireless
Business Intelligence and Forms	(E) OC4J_BI_Forms (in addition to A, B, C, D)	Reports, Forms, Discoverer, Clickstream
Unified Messaging	(F) OC4J_UM (in addition to A, B, C, D,E))	Unified Messaging
Infrastructure	OC4J_DAS	Distributed Administration Service of Oracle Internet Directory
Supplemental CD - InterConnect Install	OC4J_OAI	InterConnect
Supplemental CD - Internet File System	OC4J_ifs	Internet File System

40. Which new components are installed in Oracle9iAS Release 2 (9.0.2)?

The following components are new in Oracle9iAS Release 2 (9.0.2):

Oracle9iAS New Components

Install Type	Oracle9iAS Components
J2EE and Web Cache, Portal and Wireless, Business Intelligence and Forms, Unified Messaging, Oracle9iAS Infrastructure, Oracle9iAS Developer Kits	mod_ossli, mod_osso, mod_oc4j, mod_oradav, Oracle9iAS Web Services (OC4J, SOAP), Oracle Enterprise Manager Website
Portal and Wireless, Business Intelligence and Forms, Unified Messaging	Oracle9iAS Web Services (UDDI), Oracle9i Syndication Server
Business Intelligence and Forms	Oracle9iAS Clickstream Intelligence
Oracle9iAS Infrastructure	Oracle9iAS Metadata Repository
Oracle9iAS Integration CD	Oracle9iAS Proxy Plug-in; some Oracle9iAS InterConnect Adapters

Please refer to "Oracle9iAS Release 2 (9.0.2) New Features" white paper for more information.

41. Which Oracle9iAS Release 1 components are no longer getting installed in this release?

The following components are not installed in Oracle9iAS Release 2 (9.0.2): Oracle9iAS Database Cache, Oracle9iAS Plugin for Microsoft IIS, mod_sso, mod_ssl, EJE.

42: Which Oracle9iAS Release 2 components are not available on NT and Windows 2000?

The following components that are part of Oracle9iAS Release 2 (9.0.2) on Unix and Linux releases are not available on NT and Windows 2000 platforms: Oracle9iAS Unified Messaging.

43. Do I have to apply patches from Oracle9iAS Interoperability Patch CD for v 9.0.2.0.0?

Yes. All patches from this CD are mandatory for Oracle9iAS on non-Windows Platform. On Windows Platform, the patches are already part of the product and is versioned 9.0.2.0.1. Oracle9iAS installation is not considered complete without these patches. The install process includes the following steps: Follow the procedure listed below for these install types and options:

- **Oracle9i Application Server - J2EE and Web Cache install type (with no Infrastructure Use)**
- **Oracle9iAS Developer Kits install option**
 - Install Oracle9i Application Server - J2EE and Web Cache or Oracle9iAS Developer Kits (which contains a J2EE and Web Cache Instance for testing purposes)
 - Please refer to Oracle9i Application Server Installation Guide, Oracle9iAS Release Notes, Oracle9iAS Release Notes Addendum
 - Apply appropriate patches from Oracle9iAS Interoperability Patch CD
 - Please refer to Oracle9iAS Interoperability Patch CD Readme
 - Become familiar with Oracle9i Application Server and Oracle9i Developer Kits Component specific issues. Apply workarounds if applicable.
 - Please refer to Oracle9iAS Component specific release notes. All Component release notes are linked from Oracle9iAS Release Notes.

Follow the procedure listed below for these install types and options:

- **Oracle9i Application Server - J2EE and Web Cache (with Infrastructure Use), Portal and Wireless, Business Intelligence and Forms, Unified Messaging**
- **Oracle9iAS Infrastructure**
 - Install Infrastructure
 - Please refer to Oracle9i Application Server Installation Guide, Oracle9iAS Release Notes, Oracle9iAS Release Notes Addendum
 - Apply appropriate patches from Oracle9iAS Interoperability Patch CD
 - Please refer to Oracle9iAS Interoperability Patch CD Readme
 - Become familiar with Oracle9iAS Component specific issues and apply the workarounds if applicable
 - Please refer to Oracle9iAS Infrastructure Component specific release notes. All Component release notes are linked from Oracle9iAS Release Notes.
 - Install Oracle9i Application Server - J2EE and Web Cache or Portal and Wireless or Business Intelligence and Forms or Unified Messaging
 - Please refer to Oracle9i Application Server Installation Guide, Oracle9iAS Release Notes, Oracle9iAS Release Notes Addendum
 - Apply appropriate patches from Oracle9iAS Interoperability Patch CD
 - Please refer to Oracle9iAS Interoperability Patch CD Readme
 - Become familiar with Oracle9i Application Server Component specific issues and apply the workarounds if applicable
 - Please refer to Oracle9iAS Component specific release notes. All Component release notes are linked from Oracle9iAS Release Note

44. Which version of Oracle9iAS includes these patches in the product itself?

Oracle9iAS Release 2 (v9.0.2.0.1) on all platforms will include these patches in the product itself.

45. Which Oracle9iAS Release 2 Components require additional post-install tasks to be completed before they are fully functional?

The following components require additional post-install tasks to be completed:

- **Oracle9iAS Personalization:** To take advantage of Data Mining capabilities, the customer database needs to be configured. Please refer to Oracle9iAS Personalization Administrator's Guide for more details.
- **Oracle9iAS Discoverer:** The end User Layer needs to be created in the customer database. Please refer to Oracle9iAS Discoverer Administrator's Guide for more information.
- **Oracle9iAS Unified Messaging:** The message Store needs to be setup in the customer database. Please refer to Oracle9iAS Unified Messaging Administrator's Guide for details.

By default, the following Oracle9iAS components are configured with Oracle9iAS Metadata Repository. If you would like to configure them with any other customer database, this needs to be done as a post-install step:

- **Oracle Management Server:** Please refer to Oracle9i Application Server Administrator's Guide for more details
- **Oracle9iAS Portal:** Please refer to Oracle9iAS Portal User's and Administrator's Guide.
- **Oracle9iAS Clickstream Intelligence:** Please refer to Oracle9iAS Clickstream Intelligence Administrator's Guide for more information.

Some Oracle9iAS component features may need additional post install tasks. For example:

- **Oracle Internet Directory:** If replication feature of the Internet Directory needs to be setup between two Oracle9iAS Infrastructure instances, it needs to be done as a post install step. Refer to Oracle Internet Directory Administrator's Guide for more details.
- **Oracle9iAS Metadata Repository:** By default, the database files (.dbf files) are installed into the same file system. During install, the only time the user is given a choice to indicate the location to install the files anywhere else, is when the install process detects that there is not enough hard disk in the current file system. Otherwise, if these files need to be relocated to a different file system, it needs to be done as a post-install step. Refer to Oracle9i Database Administrator's Guide for more details.
- **Oracle9iAS Discoverer, Oracle9iAS Clickstream Intelligence, Oracle9iAS Reports Services, Oracle9iAS Wireless:** In order for portlet features of these components to function properly, Oracle9iAS Portal must be appropriately configured. Refer to each of these component's administrator's guides for more details.
- **Oracle9iAS Reports Services:** If Proxy Server is not setup during install, and if reports need to be sent through the firewall, then the proxy server setup is required.

46. What is the order of installations when I use a customer database?

The following is the recommended order of installations for Customer Database, Oracle9iAS and Oracle9iAS Infrastructure:

- Step 1: Install and configure customer database.
- Step 2: Install and configure Oracle9iAS Infrastructure.
- Step 3: Install and configure Oracle9iAS middle tier installation.
- Step 4: Perform appropriate post install steps to configure middle tier components with the customer database.

47. On Windows Platform, why am I prompted to run wsf.exe before Oracle9iAS installation can begin?

Oracle9iAS requires several files to be present in the Windows System folder. During the Oracle9iAS installation, these required files already present on the target system are examined to ensure that they meet the requirements for Oracle9iAS. If any file has an outdated version, it will be replaced with a compatible version.

Normally, replacement can be done during the Oracle9iAS installation, but if the file to be replaced is in use by another process at the time of installation, then the installation will halt and an error dialog will appear. This is because Windows needs to restart for the updated file to take effect and the Oracle9iAS installation routine cannot be interrupted by a system reboot during installation.

Oracle9iAS includes a supplementary installation for the required Windows System Files. This Windows System Files installation will automatically reboot the system if necessary at the conclusion of the system files installation.

If you encounter a Windows System Files error during the Oracle9iAS installation, click OK to close the error dialog, then use the following instructions to run the Windows System Files installation. You cannot proceed with the Oracle9iAS installation if you do not run the Windows System Files installation.

To run the Windows System Files installation:

- Step 1: Click Exit to quit the Oracle9iAS installation.
- Step 2: Change to the root directory on the Oracle9iAS CD-ROM.
- Step 3: Run wsf.exe.

Note: The Windows System Files installation runs with a response file that utilizes an existing Oracle home or creates the home OUIHome if none is available. Windows restarts automatically, if it is required; otherwise the Windows System Files installation will end without displaying any Installation Finished dialog.

- Step 4: After Windows restarts or at the end of the Windows System Files installation, restart the Oracle9iAS installation.