Informatica 9.0.1 Installation and Configuration
Quick Start
Abstract
This article provides an overview of the steps required to install Informatica 9.0.1.

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Overview
The Informatica platform includes the following products:

- Informatica Data Quality and Informatica Data Explorer AE
- Informatica Data Services
- PowerCenter

To install an Informatica product, complete the pre-installation tasks and then run the server and client installers. Then complete the post-installation steps. The pre-installation and post-installation tasks differ based on the product you install.

This article includes general installation steps. Optional steps or steps that are required only for certain platforms, databases, or features are discussed in the Installation and Configuration Guide.

For detailed instructions, see the following Informatica 9.0.1 guides:

- PowerCenter Installation and Configuration Guide
- Data Services Installation and Configuration Guide
- Data Quality Installation and Configuration Guide

If you install more than one Informatica product, complete the Informatica platform steps one time, and then complete the steps for each product that you install.

Steps to Install to Informatica 9.0.1
1. Review the system requirements for Informatica services and clients.
2. Complete the pre-installation tasks.
3. Install the Informatica services.
4. Install the Informatica clients.
5. Complete the post-installation tasks.
6. Install documentation and additional utilities.
Review the System Requirements for Informatica Services

Verify that the machines where you install the Informatica services and clients meet the system, database, and disk space requirements.

**Minimum System Requirements**

The following table describes the minimum system requirements for the Informatica clients and for a domain with different node configurations:

<table>
<thead>
<tr>
<th>Component</th>
<th>Processor</th>
<th>RAM</th>
<th>Disk Space</th>
<th>Operating System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domain with all Data Quality, Data Services, and PowerCenter services</td>
<td>4 CPU</td>
<td>8 GB</td>
<td>20 GB</td>
<td>Windows</td>
</tr>
<tr>
<td>running on one node</td>
<td></td>
<td></td>
<td></td>
<td>Sun Solaris</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>HP-UX</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IBM AIX</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Hat Linux</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SUSE Linux</td>
</tr>
<tr>
<td>Domain with Data Quality and Data Services application services running</td>
<td>2 CPU</td>
<td>4 GB</td>
<td>20 GB</td>
<td>Windows</td>
</tr>
<tr>
<td>on one node: - Data Integration Service</td>
<td></td>
<td></td>
<td></td>
<td>Sun Solaris</td>
</tr>
<tr>
<td>- Model Repository Service</td>
<td></td>
<td></td>
<td></td>
<td>HP-UX</td>
</tr>
<tr>
<td>- Analyst Service</td>
<td></td>
<td></td>
<td></td>
<td>IBM AIX</td>
</tr>
<tr>
<td>Domain with all PowerCenter services running on one node</td>
<td>2 CPU</td>
<td>4 GB</td>
<td>4 GB</td>
<td>Windows</td>
</tr>
<tr>
<td>Domain with all PowerCenter services running on one node except Metadata</td>
<td>1 CPU</td>
<td>2 GB</td>
<td>3 GB</td>
<td>Windows</td>
</tr>
<tr>
<td>Manager Service and Reporting Service</td>
<td></td>
<td></td>
<td></td>
<td>Sun Solaris</td>
</tr>
<tr>
<td>Metadata Manager Service running on a separate node</td>
<td>2 CPU</td>
<td>2 GB</td>
<td>3 GB</td>
<td>HP-UX</td>
</tr>
<tr>
<td>Reporting Service running on a separate node</td>
<td>1 CPU</td>
<td>512 MB</td>
<td>3 GB</td>
<td>Windows</td>
</tr>
<tr>
<td>PowerCenter Client</td>
<td>1 CPU</td>
<td>512 MB</td>
<td>1.2 GB</td>
<td>Windows</td>
</tr>
<tr>
<td>Informatica Developer</td>
<td>1 CPU</td>
<td>512 MB</td>
<td>900 MB</td>
<td>Windows</td>
</tr>
</tbody>
</table>

**Minimum Database Requirements**

The database requirements for the Informatica repositories and components differ based on the product you install and the services you plan to create. Create each repository in a separate database schema.
Informatica Platform Database Requirements

When you create an Informatica domain, you must create a domain configuration repository. If you install multiple products that run on the same domain, you need a single domain configuration repository.

<table>
<thead>
<tr>
<th>Informatica Component</th>
<th>Database Type</th>
<th>Disk Space</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Informatica domain configuration repository</td>
<td>IBM DB2 UDB Microsoft SQL Server Oracle</td>
<td>200 MB</td>
<td>Set up the database schema before you start the installation process.</td>
</tr>
</tbody>
</table>

Data Services Database Requirements

Data Services requires a Model repository database. If you enable data object caching, you must create a data object cache database.

You can use the same Model repository to run application services for Data Services and Data Quality.

<table>
<thead>
<tr>
<th>Informatica Component</th>
<th>Database Type</th>
<th>Disk Space</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model repository</td>
<td>IBM DB2 UDB Microsoft SQL Server Oracle</td>
<td>200 MB</td>
<td>Set up the database before you create the Model Repository Service. Allocate more space based on the amount of metadata you want to store.</td>
</tr>
<tr>
<td>Data object cache database</td>
<td>IBM DB2 UDB Microsoft SQL Server Oracle</td>
<td>200 MB</td>
<td>Set up the database if you enable data object caching. Create a connection object and associate it with a Data Integration Service. Allocate more space based on the amount of data that you want to cache.</td>
</tr>
</tbody>
</table>

Data Quality Database Requirements

Informatica Data Quality requires a Model repository and a staging database.

You can use the same Model repository to run application services for Data Services and Data Quality.

<table>
<thead>
<tr>
<th>Informatica Component</th>
<th>Database Type</th>
<th>Disk Space</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model repository</td>
<td>IBM DB2 UDB Microsoft SQL Server Oracle</td>
<td>200 MB</td>
<td>Set up the database before you create the Model Repository Service. Allocate more space based on the amount of metadata that you want to store.</td>
</tr>
<tr>
<td>Staging database</td>
<td>IBM DB2 UDB Microsoft SQL Server Oracle</td>
<td>200 MB</td>
<td>Set up the database before you create the Analyst Service. Allocate more space based on the amount of metadata that you want to store.</td>
</tr>
</tbody>
</table>
PowerCenter Database Requirements

PowerCenter requires a PowerCenter repository. If you create a Reporting Service or a Metadata Manager Service, create a repository for each service. If you use the PowerCenter data profiling option, create a Data Profiling warehouse.

<table>
<thead>
<tr>
<th>Informatica Component</th>
<th>Database Type</th>
<th>Disk Space</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>PowerCenter repository</td>
<td>IBM DB2 UDB Microsoft SQL Server Oracle</td>
<td>35 MB</td>
<td>Set up the database before you create the PowerCenter Repository Service. Allocate more space based on the amount of metadata that you want to store.</td>
</tr>
</tbody>
</table>
| PowerCenter Data profiling warehouse    | IBM DB2 UDB Microsoft SQL Server Oracle | 256 MB     | Set up the database before you create the PowerCenter Repository Service. Allocate more space based on the following factors:  
|                                        |                                |            | - The amount of data that you intend to profile. 
|                                        |                                |            | - Mode you run profile sessions: verbose or normal. 
|                                        |                                |            | - Types of tables: full or sampling. 
|                                        |                                |            | - Frequency that you purge the Data Profiling warehouse.                                                                                                                                                   |
| Data Analyzer repository                | IBM DB2 UDB Microsoft SQL Server Oracle | 60 MB      | Set up the database before you create the Reporting Service.                                                                                                                                               |
| Metadata Manager repository             | IBM DB2 UDB Microsoft SQL Server Oracle | 1 GB       | Set up the database before you create the Metadata Manager Service.                                                                                                                                       |

Temporary Disk Space Requirement

The following table describes the temporary disk space requirements during installation:

<table>
<thead>
<tr>
<th>Product</th>
<th>Operating System</th>
<th>Disk Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installer</td>
<td>Windows or UNIX</td>
<td>1 GB</td>
</tr>
<tr>
<td>Informatica Services</td>
<td>UNIX</td>
<td>2 GB</td>
</tr>
<tr>
<td></td>
<td>Windows</td>
<td>605 MB</td>
</tr>
<tr>
<td>Informatica Clients</td>
<td>Windows</td>
<td>550 MB</td>
</tr>
</tbody>
</table>

Complete the Pre-Installation Tasks

Before you install the Informatica services or clients, prepare the machines where you plan to install Informatica services and clients.
Informatica Platform Tasks

Complete the following tasks if you install any of the Informatica products. If you install multiple products, complete the tasks only once.

- Verify the license key.
  Before you install the software, verify that you have the license key for the product you plan to install. Contact Informatica Global Customer Support if you do not have a license key or if you have an incremental license key and you want to create a domain.
- Create a system user account to install Informatica.
  Create a system user account to perform the installation and to run the Informatica service or daemon. Verify that the user account you use to install Informatica has write permission to the installation directory.
- Set up the domain configuration repository.
  Set up a database and user account for the domain configuration repository. The requirements differ based on the type of database you use for the domain configuration repository.
- Determine the ports available for Informatica.
  The installer sets up the ports for components in the Informatica domain. It also designates the ports to use for application service processes that run on the node where you install Informatica.
    - Domain port. Default is 6005.
    - Service Manager port. Default is 6006.
    - Service Manager shutdown port. Default is 6008.
    - Informatica Administrator port. Default is 6007.
    - Informatica Administrator shutdown port. Default is 6009.
    - Range of ports for application services. Default range is 6013 to 6113.
- Verify the environment variable settings.
  Configure the environment variables to work with the Informatica installation.
- Set up a keystore file.
  To use a secure connection between the Administrator tool and the Service Manager, set up a keystore for use with Informatica.
- Verify the file descriptor settings.
  On UNIX or Linux, verify that the operating system meets the file descriptor requirement.
- Set up the X Window server for graphical mode installation.
  The Informatica installer requires a graphics display server to run in graphical mode.

PowerCenter Task

Complete the following task if you install PowerCenter. You do not need to complete the task if you install other Informatica products.

- Verify the requirements for PowerCenter client tools.
  The PowerCenter Mapping Architect for Visio and Mapping Analyst for Excel client tools require third-party software to operate. Verify that the software is installed before you install PowerCenter Client.

Install the Informatica Services

Use the Informatica server installer to install the Informatica services on a Windows or UNIX machine. You can install the Informatica services on multiple machines to create multiple nodes.
Install the Informatica Clients

Use the Informatica client installer to install the Informatica clients on Windows.

You can install the following client applications on the same machine or separate machines:
- Informatica Developer for use with Data Services or Data Quality.
- PowerCenter Client for use with PowerCenter.

Complete the Post-Installation Tasks

After you install the Informatica product, complete the configuration tasks to ensure that the Informatica services and clients run properly.

Informatica Platform Tasks

Complete the following tasks when you install any of the Informatica Products. If you install multiple products, complete the tasks only once.
- Configure the environment variables.
  Configure the environment variables that Informatica uses when it runs the application services and connects to the clients.
- Configure the web browser.
  You can use Microsoft Internet Explorer or Mozilla Firefox to launch the web client applications in the Informatica platform. Configure the browser to work with the Informatica web clients.
- Install languages for the Informatica clients.
  To view languages other than the system locale when you work with repositories that use a UTF-8 code page, install additional languages on Windows for use with the Informatica clients.
- Verify the setup for 32-bit and 64-bit platforms.
  You can run Informatica on 32-bit or 64-bit platforms. When you run Informatica on both 32-bit and 64-bit platforms, configure Informatica to use the correct libraries, database clients, and session cache sizes.
- Install the database client software.
  Install database client software and configure connectivity on the gateway node and on the nodes that will run the integration services and repository services you create in the domain.
- Verify third-party software requirements.
  Informatica requires third-party software and libraries to perform certain operations. Verify that the machine where you install Informatica has the required software or library.

PowerCenter Task

Complete this task if you install PowerCenter. You do not need to complete the task if you install other Informatica products.
- Verify code page compatibility.
  Informatica requires the code pages for application services to be compatible with code pages in the domain. The locale settings on machines that access the Informatica client tools or the Administrator tool must also be compatible with the code pages of the domain.

Install the Product Documentation and Additional Utilities

Optionally, you can install the product documentation and additional utilities based on the Informatica objects and features you want to use.

You can install the following files:
- Product documentation
Informatica utilities
♦ JDBC and ODBC drivers

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Acknowledgements
The author would like to acknowledge Informatica Quality Assurance and Development teams for their contributions to this article.