# Informix® Enterprise Command Center Installation Guide

## for Informix® Dynamic Server™

with Advanced Decision Support and Extended Parallel Options

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# About This Manual

This manual describes how to install Informix Enterprise Command Center (IECC). IECC provides a graphical interface for the administration of Informix Dynamic Server with Advanced Decision Support and Extended Parallel Options. Keep this installation guide with your Informix software documentation for easy reference.

The IECC interface requires the Windows NT environment, Version 4.0, and works transparently with VisiBroker software. VisiBroker runs as an interface to Dynamic Server with AD and XP Options.

For more information about IECC, refer to the *Informix Enterprise Command Center User Guide*. For more information about Dynamic Server with AD and XP Options, refer to your *Administrator's Guide*.

In this manual, all instances of IECC refer to Informix Enterprise Command Center and all references to Dynamic Server refer to Dynamic Server with AD and XP Options.

## Types of Users

This manual is for the following users:

- Database administrators
- Database server administrators

This manual assumes that you have the following background:

- A working knowledge of your computer, your operating system, and the utilities that your operating system provides
- Some experience working with relational databases or exposure to database concepts
- Some experience with computer programming

## Software Dependencies

This manual assumes that you are using Dynamic Server with AD and XP Options, Version 8.2, as your database server.

## Release Notes and Documentation Notes

Your database server installation includes on-line release notes and documentation notes that supplement the information in this manual and other manuals. Please examine these files before you begin to use your database server. They contain vital information about application and performance issues.

To read these files, choose **Start→Programs→Informix** from the Task Bar and then select one of the following items.

| Item | Description |
|---|---|
| Documentation Notes | This item includes additions or corrections to manuals, along with information about features that might not be covered in the manuals or that have been modified since publication. |
| Release Notes | This item describes features that differ from earlier versions of Informix products and explains how these differences might affect current products. This file also contains information about any known problems and how to resolve them. |

# Overview

The IECC installation CD-ROM contains the wizard-based software installation scripts, IECC, and VisiBroker. You can also use the installation program to configure nodes for Dynamic Server with AD and XP Options. The IECC installation program does not install Dynamic Server with AD and XP Options.

***Important:*** IECC *uses VisiBroker software to communicate between the Windows NT workstation and the nodes on which Dynamic Server runs.* IECC *can monitor only one database server at a time.*

For more information on Dynamic Server with AD and XP Options nodes and the parallel processing architecture, see your *Administrator's Guide*. For information about how to use IECC to monitor Dynamic Server with AD and XP Options, see the *Informix Enterprise Command Center User Guide*.

# Installation Requirements

You can install Informix products only as licensed by Informix. You must not transfer software from one computer to another or to another portion of your network without reregistering the product and obtaining the written consent of Informix.

If you encounter difficulties when you install these products, refer to the **Readme** file. If you continue to encounter problems, contact the Informix Technical Support Department. In North America, call toll-free (800) 274-8184 or send a fax to (913) 599-8590. Outside North America, contact your distributor or the nearest Informix subsidiary.

If you intend to use IECC to configure Dynamic Server with AD and XP Options server nodes, you must first install Version 8.2 of Dynamic Server with AD and XP Options.

To ensure that you can install IECC successfully, your nodes and your Windows NT workstation must meet the requirements specified in the following sections.

### Windows NT Workstation Requirements

The Informix-Admin group must exist on your server, and you must be a member of this group to install IECC. Use the Microsoft User Manager utility to create this group and make yourself a member. This utility is available through the Admin Tools program group. To display User Manager, choose **Start→Programs→Admin Tools** from the Task Bar.

To download the IECC Installer, make sure that your computer meets the following requirements:

- At least 32 megabytes of memory

  Informix recommends 48 megabytes.
- 15 megabytes of free disk space on a Windows NT file system (NTFS) partition and 128 megabytes of swap space
- A CD-ROM drive
- A color video monitor with a minimum resolution of 640 by 480 dots per inch
- TCP/IP network connectivity between the Windows NT workstation and Dynamic Server with AD and XP Options nodes
- Windows NT, Version 4.0 or later

### Database Server Platform Requirements

Each platform that you plan to monitor with IECC must have:

- Dynamic Server with AD and XP Options Version 8.2 installed.
- at least two disk partitions available for Dynamic Server with AD and XP Options. The root dbspace and logical logs use one partition, and, if mirrored, mirrors for both use the second partition. Informix recommends that the partitions reside on different physical disks.
- an NFS-mounted file system with at least 120 megabytes of free disk space.

***Important:*** *The **INFORMIXDIR** environment variable contains the full pathname of the directory where you installed Dynamic Server with AD and XP Options. The **INFORMIXDIR** environment variable must have the same value for all nodes.*

### VisiBroker Software Versions

If you use VisiBroker software with applications other than Dynamic Server with AD and XP Options, check that they run with VisiBroker 3.0.

# Prepare to Install IECC

This section provides an overview of the installation procedure, including information that you need before you install IECC. "Use the Installer" on page 6 provides detailed information about how to use the Installer wizard.

## Uninstall Previous Versions of IECC

Before you install IECC, you must uninstall previous versions. Older versions include an uninstaller in the same directory as the executable file.

## Install the Database Server

You must install the database server software before you install the IECC software for Windows NT. Refer to the *INFORMIX-Enterprise Command Center User Guide*.

## Collect Installation Data

Before you begin to install IECC, collect the following information:

- The port number (**OSAGENT_PORT** environment variable) of the hub and corresponding nodes that you want to monitor with IECC

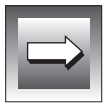
  A port number is the same as a TCP/IP address. The port number allows IECC and VisiBroker to communicate. All nodes on the hub, including the hub, must have the same port number. Your system or database administrator can give you this number.

- `License S/N` and `Key`

  The IECC media key card contains the `License S/N` and `Key`.

- The name of a node (hub) that has access to the nodes on which Dynamic Server with AD and XP Options is installed
- The type of access, trusted-host access or **informix**, that you plan to use for the installation of IECC on the nodes
- The name of the interface family that your managed nodes and the Windows NT workstation use

  An interface family includes all nodes that use the same type of network interface card.



***Important:*** *Before you install IECC, you must stop and disable all antivirus programs that are running on your Windows NT workstation. To stop and disable an antivirus program, use the Services dialog box in the Windows NT Control Panel.*

# Use the Installer

This section provides the following installation information:

- Detailed information about starting the Installer
- Procedure for a first-time installation of IECC
- Procedure for configuring nodes that you want to monitor with IECC
- Procedure for reinstalling IECC

## Use the setup.exe Program

Your **setup.exe** program starts the install program. The **setup.exe** program confirms system requirements and login information as follows:

- The script confirms that the system configuration meets the requirements specified in "Windows NT Workstation Requirements" on page 4. If the system fails to meet any requirement, **setup.exe** displays a dialog box that lists the missing requirements.
- The script confirms the login information. If you do not log in correctly, **setup.exe** displays a dialog box that informs you that you are not logged in to the proper account.

When all the system requirements are correct and you are logged in to the proper account, **setup.exe** displays the first installation dialog box.

After **setup.exe** confirms the minimum requirements, it prompts you to enter company and licensing information and then prompts you to install IECC and configure nodes on which Dynamic Server with AD and XP Options is installed. When **setup.exe** has gathered all licensing and configuration information, the installation begins.

## Start the Installer

This section describes how to start the wizard-based installer from the IECC CD-ROM:

1. Log in to the Windows NT workstation.
2. Insert the CD in the CD-ROM drive on the Windows NT workstation.
3. Choose **Start→Run** from the Task Bar. To run the Installer program, enter *drive*:\setup.exe, where *drive* is the letter for the CD-ROM drive.

   The first window of the Installer program appears.
4. Follow the instructions that appear on each Installer window. For more information about installation options and each of the Installer windows, refer to "Use the Installer" on page 6.

## Navigate in the Installer

The following table describes the navigation buttons.

| Installer Button | Description |
|---|---|
| **Next>** | Click this button to move to the next Installer window. When you see one or more text boxes in the window, you might need to enter a value in each text box to activate this button. |
| **<Back** | Click this button to move to the previous Installer window. |
| **Cancel** | Click this button to terminate installation program. |

## Select an Installation Procedure

This section describes how to install or reinstall IECC with the wizard.

When you install IECC for the first time, you complete each wizard window. The wizard automatically installs the IECC software and configures the hub.

When you reinstall IECC, you can choose to select the Informix software on the Windows NT workstation or to configure the IECC server components. If you choose to configure the IECC server components and not the IECC software, refer to "Configure Server Components" on page 10.

## Install IECC

This section describes how to install IECC and how to configure the nodes with the wizard-based software.

For detailed information about each Installer window, refer to the "Installer Windows Reference" on page 11.

### To install IECC and configure the nodes

1. The first window welcomes you to the Install Informix Enterprise Command Center. Once the program loads, click the **Next>** navigation button to see the **Readme** file.
2. Browse the Readme File window to find up-to-date information about IECC.
3. Select the **Configure Informix Dynamic Server components** option to configure the nodes on the Select Setup Options window.

   This option is the default. When you reinstall IECC, you see a second option: **Install Informix software on your NT workstation**.
4. Enter the port number that VisiBroker uses to communicate in the OSAGENT_PORT window.

   When you reinstall IECC, you might see a port number in this field. Make sure that the field contains the correct port number.
5. Enter `License S/N` and `key` information in the License the Software window.

6. Enter your name and company in the Enter Product Registration window.
7. Select a typical, compact, or custom installation in the Select Setup Type window. Select the **Custom** option if you want to select components to configure.

   You must also select a file location for this installation data. Click the **Browse** button to select a file location. The default destination is **Program Files →Informix**.
8. Select the IECC components that you want to install in the Select Components window.

   To see this window, chose the **Custom** option in the Select Setup Type window.
9. Select the folder where you want to install the IECC components in the Select Program Folder window. This step adds IECC to your Windows start-up list. The default is **Programs →Informix.**
10. Enter the name of a hub node that you want to monitor in the Enter an Informix Dynamic Server Node Name window.

    To see this window, click the **Configure Informix Dynamic Server components** option button in the Select Setup Options window.

    You must also indicate whether you plan to use a UNIX-based database server or an Windows NT-based database server. You can also select trusted access or the **informix** password to log on.
11. Confirm that the selected nodes are the ones that you want to monitor in the Select Nodes window.

    To see this window, select a node in the Enter an Informix Dynamic Server Node Name window.
12. This Summary window summarizes the settings that you selected during the installation. If you need to change any of the information, use the **back>** navigation button to return to any setup window.

# Configure Server Components

This section describes each step of the wizard-based installation sequence if you are configuring nodes only and IECC has been previously installed. Keep this list handy while you are configuring IECC.

### To configure the server components

1. The first window welcomes you to the Install Informix Enterprise Command Center. Once the program loads, click the **Next>** navigation button to see the Readme File.
2. Browse the **Readme** file window to find up-to-date information about IECC.
3. Choose the **Configure Informix** Dynamic Server **server components** option to configure the nodes on the Select Setup Options window.
4. Enter the port number that VisiBroker uses to communicate in the OSAGENT_PORT window.

   When you reinstall IECC, you might see a port number in this field. Make sure that the field contains the correct port number.
5. Enter the name of a hub node that you want to monitor in the Enter an Informix Dynamic Server Node Name window.

   To see this window, click the **Configure Informix Dynamic Server components** option button in Select Setup Options window.

   You must also select whether you plan to use a UNIX-based server or an Windows NT-based database server. You can also select trusted access or the **informix** password to log on.
6. Confirm that the selected nodes are the ones that you want to monitor in the Select Nodes window.

   To see this window, select a node in the Enter an Informix Dynamic Server Node Name window.
7. This Summary window summarizes the settings that you selected during the installation. If you need to change any of the information, use the **back>** navigation button to return to any setup window.

For detailed information about each of the Installer windows, refer to the "Installer Windows Reference" on page 11.

# Installer Windows Reference

This section provides detailed information about each Installer window.

## Install IECC

This window introduces you to the IECC installation program.

## View the Readme File

The **Readme** file contains useful information about IECC and the installation process that does not appear in this manual. Read the contents of this file before you continue with the installation.

## Select Setup Options

Two options can appear in this window depending on whether you install or reinstall IECC:

- If you have installed IECC before, you see the following option:

  ```
  Install Informix software on your NT workstation
  ```

  Select this option to install the Informix IECC software.

- If you are installing IECC for the first time, you see the following option:

  ```
  Configure Informix Dynamic Server Components
  ```

  Select this option to configure Dynamic Server with AD and XP Options nodes. You must select this option to configure the server nodes to handle IECC requests.

## Enter OSAGENT_PORT

Enter the port number that VisiBroker uses. This value is the TCP/IP address of the hub and corresponding nodes that you want to monitor with IECC.

Your system or database administrator can provide you with this number.

## License the Software

Enter the `License S/N` and `Key` in the Serial# and Key text boxes. You can find this information on the IECC media key card.

## Enter Product Registration

To register your product, complete the name and company name fields.

## Select Setup Type

This window appears only if you are installing IECC for the first time.

Use this window to select a typical, compact, or custom installation:

- Typical

  The typical installation installs the IECC software and on-line help.
- Compact

  The compact installation installs the IECC software but does not install on-line help.
- Custom

  The custom installation lists the IECC components so that you can select only the ones that you want.

Click **Browse** to specify the folder where you want to install IECC. The default folder is **Program Files→ Informix**.

Each product in the IECC package is installed in a separate folder under the folder that you selected with the browser.

## Select Components

This window appears only if you chose the **Custom** option in the Select Setup Type window. Select the IECC components that you want to install.

## Select Program Folder

Type an existing program folder name in the **Program Folders** text box or select one from the **Existing Folders** list box to indicate where you want to install the IECC components. The default folder is **Informix**.

If you choose to install software only, or if you are not a member of the Informix-Admin group, the program displays the Summary window when you click **Next>**. Otherwise, the Enter an Informix Dynamic Server Node Name window appears.

## Enter an Informix Dynamic Server Node Name

The Enter an Informix Dynamic Server Node Name window appears only if you click the **Configure Informix Dynamic Server components** option button in the Select Setup Options window. Enter the name of a node where the Dynamic Server with AD and XP Options software is installed. When this node is not part of a local area network, you must specify a fully qualified node name.

When Dynamic Server is installed on a Massively Parallel Processing (MPP) computer system, the node name specified must be the name of a connection node.

You must install Dynamic Server with AD and XP Options first if you want to access these nodes.

You must also indicate whether you plan to use a UNIX-based database server or Windows NT-based database server. You can use trusted-host access or the user **informix** password to access the node.

If you connect by trusted-host access, the Informix user's **.rhosts** file must include information about the Windows NT workstations and the users. For example, if your computer name is **compl**, your user name is **user1**, and your full domain name is **comp1.pdx.informix.com**, add the following lines to the **.rhosts** file:

```
comp1
comp1.pdx.informix.com
comp1 user1
comp1.pdx.informix.com user1
```

Click the **Use Informix login and password** option button to specify that the user must enter the **informix** user name and password access the node. Type the **informix** password in the **Informix password** text box.

Before you install IECC on a Windows NT workstation, you must first install Dynamic Server with AD and XP Options. The Dynamic Server installation program installs **informixRCE** as a service. It creates a user account called **informix** and an administrative group called **Informix-Admin**. The installation program automatically assigns the **informix** user account, under which Dynamic Server with AD and XP Options runs, to the **Informix-Admin** group and to the **Administrators** group.

## Select Nodes to Configure

You can select the nodes to be monitored by IECC with this window.

This window also shows a list of all the node names returned by the database server-side function **getnodelist**. Select all Dynamic Server with AD and XP Options server nodes that you want VisiBroker to configure from this list of nodes.

## Summary

This window allows you to review and verify the settings that you chose during installation. You can use the **<Back** button to back up and change any of the values.

When you click **Next>**, the installer begins to install files and to configure Dynamic Server with AD and XP Options server nodes.

If you chose to configure Dynamic Server with AD and XP Options server Nodes, the program logs into each selected node and runs a shell script to initialize and set up VisiBroker. If a node fails this verification, an error message appears that lists the nodes and the error.

### Setup Complete Window

This window notifies you whether the installation was successful or not. Click the **Finish** button to close the window.

If the installation was not successful, the installer creates an IECC **inst.txt** file, which contains information about why the installation failed. You can find this file in the **TEMP** folder, which is typically located on the drive where Windows NT is installed.

## Remove IECC

To remove IECC from your Windows NT workstation, perform the following actions:

1. Choose **Start→Settings→Control Panel** from the Task Bar and then double-click the **Add/Remove Program**s icon.
2. Select Informix Enterprise Command Center from the **Add/Remove Programs Properties** list box and then click the **Add/Remove** button to begin the removal process.

The utility cannot remove all of the changes made to the Dynamic Server with AD and XP Options nodes during the installation. For detailed information about how to remove IECC from nodes, refer to the *Installation Guide* for your database server.

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