Tivoli

Tivoli DBArtisan Integration**
Release Notes

July 1999

Tivoli DBArtisan Integration
(July 1999)
Copyright Notice

Contents

DBArtisan Integration Release Notes

The following *Release Notes* provide important information about using the DBArtisan Integration, Version 1.0. These notes are the most current information for the product and take precedence over all other documentation.

Please read these notes thoroughly before installing or using this software.

These release notes contain information about the following:

■ Features of the DBArtisan Integration

■ System Requirements

■ Installing the DBArtisan Integration

■ Configuring the TEC for the DBArtisan Integration

■ Accessing DBArtisan from the Tivoli Desktop

■ Task Reference

■ Common Task Dialogs

■ Error Messages

■ Software Defects, Limitations, and Workarounds

Features of the DBArtisan Integration

This section highlights the DBArtisan Integration features, which include:

■ Access to DBArtisan directly from the Tivoli Desktop.

  Note: DBArtisan can be accessed only from a Tivoli Desktop that is run on a Windows NT host where DBArtisan is installed.

■ Ability to examine a list of DBArtisan **Session Files** to identify what database management directives can be distributed over the Tivoli Enterprise

■ Use of **Report-to-File** to record the completion status of any distributed **Session Files**

■ Ability to collect, archive, and execute DBArtisan **Session Files**

■ DBArtisan conditions are posted to the Tivoli Enterprise Console (TEC), including the following:

  • Successful completion of a DBArtisan task

  • Failure of a DBArtisan task

  • Undefined endpoints

  • Unable to obtain the object ID of managed node, to log into server, to run shell command

  • Server unavailable

  • Internal errors

System Requirements

This section describes the software, hardware, and system memory requirements for the DBArtisan Integration.

Software Requirements

This product supports the following databases:

- Oracle, Versions 7.0 through 8.x

- Sybase Adaptive Server, Versions 10.0 through 11.9.2

- IBM DB2 Universal Database, Version 5.0

- Microsoft SQL Server, Versions 6.0 through 7.0

To use this product, you must have the following software:

- Embarcadero DBArtisan, Version 5.01 installed on at least one Windows NT managed node. If you intend to access the DBArtisan desktop from the Tivoli desktop, DBArtisan must be installed on each Windows NT managed node where you will do so.

- Tivoli Framework, Version 3.6.1 or Version 3.2 with the Superpatch. Note that this integration supports only managed nodes in Version 3.6.1, not TMA endpoints.

- Tivoli Distributed Monitoring, Version 3.6.1. For Framework Version 3.2, Distributed Monitoring 3.5.2 is supported.

- One or more of the following database management products:

  - Tivoli Manager for Oracle Version 1.1

  - Tivoli Manager for Sybase Version 1.1

  - Tivoli Manager for MS SQL Server 1.2

  - Tivoli Manager for DB2 Version 1.0

- Tivoli Enterprise Console (TEC), Version 3.6.1, if you plan to send events to the TEC

- Microsoft Windows script host (WSH), which is available from Microsoft. See "Downloading and Installing Microsoft Windows script host (WSH)" on page 9

Hardware Requirements

The following table provides estimated disk space and memory requirements for DBArtisan Integration. The space requirements are for the Tivoli Management Region (TMR) server and clients.

Note: The space requirements in the following table are in addition to the space requirements for Tivoli Framework, Tivoli Manager for database products, and other Tivoli products. See the appropriate user guides for additional TMR server and client hardware requirements.

Platform	Disk Space TMR	Disk Space TMR Client	Memory
Sun Solaris versions 2.5.1, 2.6, and 7	231.2 KB	231.2 KB	9268 KB
Windows NT, version 4.0 (with Service Pack 3 and 4)	231.2 KB	231.2 KB	9268 KB
AIX, versions 4.1.x, 4.2.x, and 4.3.x	231.2 KB	231.2 KB	9268 KB
HP-UX, versions 10.x and 11	231.2 KB	231.2 KB	9268 KB

Installing the DBArtisan Integration

This section provides the installation procedure for the DBArtisan Integration; it includes any prerequisites.

Prerequisites

Before installing the DBArtisan Integration, you must have the following software installed:

■ Tivoli Framework

■ The Tivoli Enterprise Console (TEC), if you want the DBArtisan Integration to integrate with it

■ One or more of the Tivoli Manager for database products. See "Software Requirements" on page 3.

Where to Install DBArtisan Integration

Install DBArtisan Integration on the following hosts:

- TMR server host

- Hosts where DBArtisan is installed

- Hosts where server endpoints and database endpoints are running

Installation Procedure

The following steps describe how to install the DBArtisan Integration.

1. Select the **Install -> Install Product...** option from the Tivoli **Desktop** menu.

2. Use the **File Browser** dialog to identify or specify the path to the installation media.

3. Select **DBArtisan Integration** from the **Select Product to Install:** scrolling list.
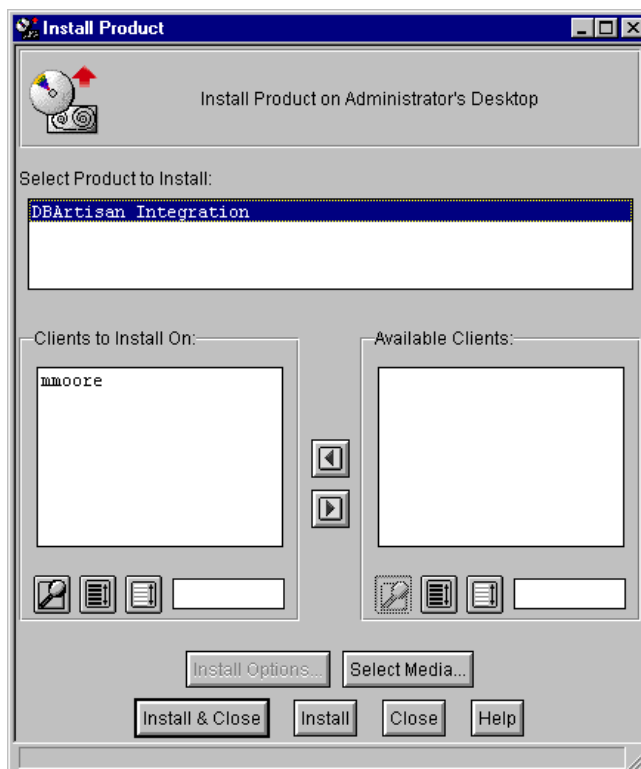
4. Select the managed nodes to install the product on from the **Available Clients** scrolling list. You must install the DBArtisan Integration on the TMR server and on managed nodes where DBArtisan, server endpoints, and database endpoints are running.

5. Press the **Install** button or the **Install & Close** button.
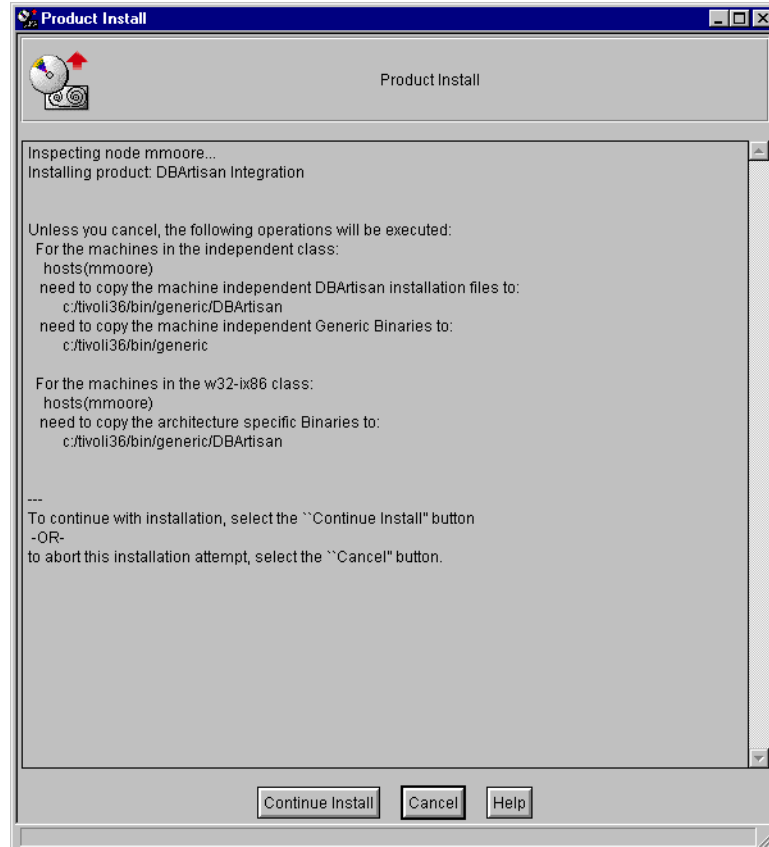
6. Press the **Continue Install** button to start the installation.

7. Press the **Close** button to close the **Product Install** dialog.

```
Product Install                                              _ □ ×

                            Product Install

┌──────────────────────────────────────────────────────────────┐
│ need to copy the machine independent Generic Binaries to:    ▲ │
│     c:/tivoli36/bin/generic                                    │
│                                                                │
│ For the machines in the w32-ix86 class:                        │
│   hosts(mmoore)                                                 │
│   need to copy the architecture specific Binaries to:          │
│     c:/tivoli36/bin/generic/DBArtisan                          │
│                                                                │
│                                                                │
│ ---                                                            │
│ To continue with installation, select the ``Continue Install'' button │
│  -OR-                                                          │
│ to abort this installation attempt, select the ``Cancel'' button. │
│                                                                │
│                                                                │
│ Creating product installation description object...created.    │
│ Executing queued operation(s)                                  │
│ Distributing architecture specific Binaries for mmoore         │
│  . completed.                                                  │
│                                                                │
│ Distributing machine independent DBArtisan installation files for mmoore │
│  ...Product install completed successfully.                    │
│  completed.                                                    │
│                                                                │
│ Distributing machine independent Generic Binaries for mmoore   │
│  ....................Product install completed successfully.    │
│  completed.                                                    │
│                                                                │
│ Registering product installation attributes...registered.      │
│                                                                │
│ Finished product installation.                               ▼ │
└──────────────────────────────────────────────────────────────┘

              Continue Install    Close    Help
```

After you close the Product Install dialog, notice that **DBArtisanManager** becomes available on the **Tivoli Desktop**.
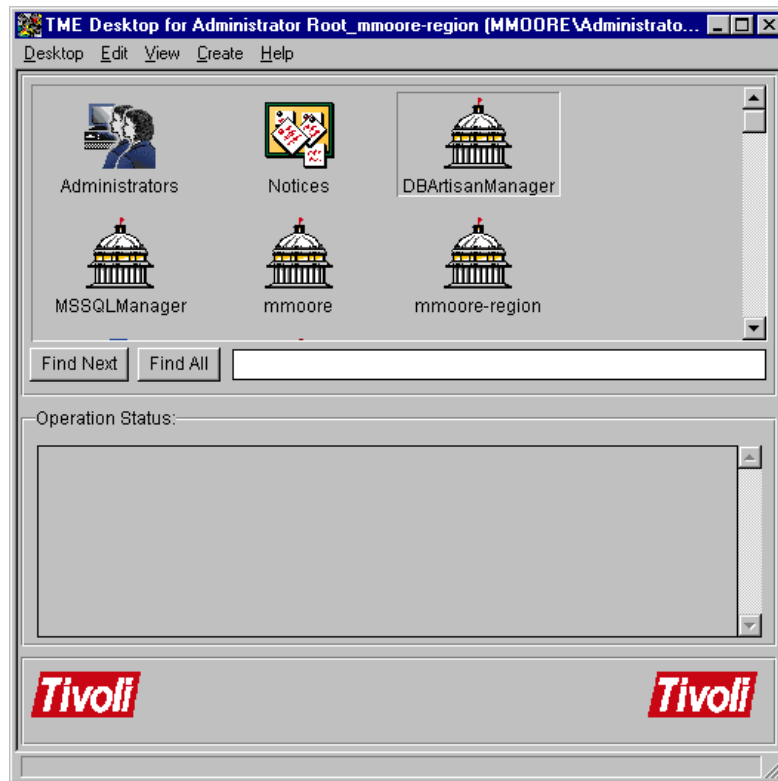
Downloading and Installing Microsoft Windows script host (WSH)

After you install the DBArtisan Integration, you must download and install Microsoft Windows script host (WSH). Follow these instructions:

1.   Access the following website:

`http://msdn.microsoft.com/scripting/default.htm?/scripting/windowshost/`
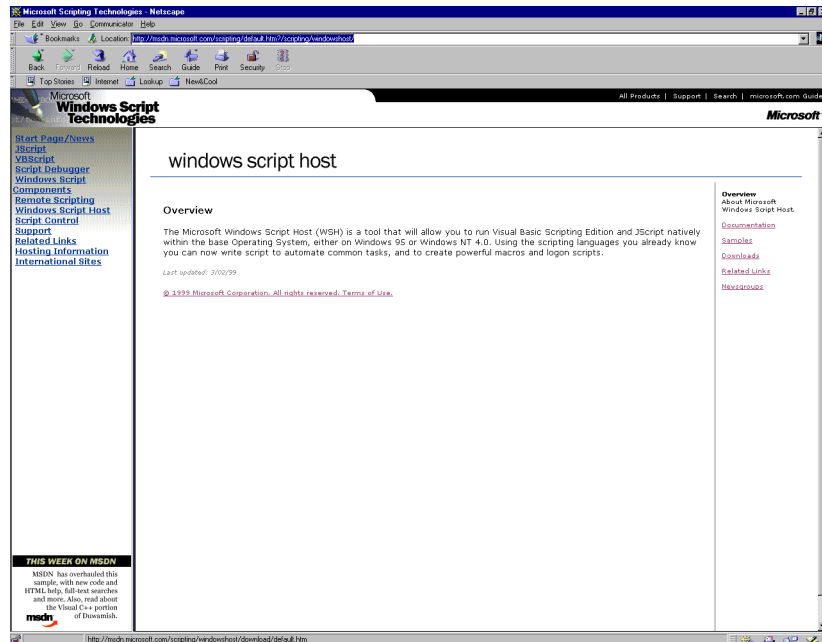
2.   Select **Downloads**.

3.   Select **Download Microsoft Windows Script Host**.

4.   Select a directory and then download the executable file to it.

5.   After the file is downloaded, go to the directory containing the executable file and execute it.

Configuring the TEC for the DBArtisan Integration

To enable the TEC to receive DBArtisan Integration events, you must configure the event server to use a rule base that contains DBArtisan Integration class definitions and rule sets.

This procedure makes the assumption that the event server is installed on the same managed node as the TMR server. If the event

server is installed on a managed node remote from the TMR server and DBArtisan Integration is not installed on that node, you may need to copy the **BAROC** files and rule set files required to configure the TEC to the event server node.

In the following configuration the following assumptions are made:

■ You are creating and configuring a rule base named **DBArtisanBase**.

■ You will copy the **Default** rule base.

■ The rule base directory is **$BINDIR/TME/TEC/***rulebase_name*

■ You are creating and configuring the event group called **DBArtisanBaseEvent**.

■ You loaded the rule base that you created and will restart the event server after configuration.

■ This is not an inter-region environment.

■ You will configure the Tivoli environment by running the **setup_env** script.

■ You have the appropriate roles to create event server objects.

Follow these steps to manually configure the TEC:

1. The event server must be installed before you can configure the TEC. Check whether the event server has been installed and registered by entering the following at the command line:

   ```
   wlookup -ar EventServer
   ```

   The **wlookup** command returns a result similar to the following:

   ```
   EventServer 2126739485.1.686#Tec::Server#
   ```

   If you have an interconnected TMR with an event server installed in each TMR, these event servers would show as additional **EventServer** entries in the previous example.

2. Create a rule base by entering the following:

   ```
   wcrtrb -S @EventServer:EventServer
   -d $BINDIR/TME/TEC/DBArtisanBase DBArtisanBase
   ```

3.   Copy the default rule base by entering the following:

```
wcprb -S @EventServer:EventServer Default
DBArtisanBase
```

4.   Configure the TEC for DBArtisan Integration for tasks as
     follows.

    Note: The following example assumes that the class and
            rule files are on the local machine. To access files
            on another managed node, you could also use
            <host>:**$BINDIR/../** where appropriate instead of
            C:/tivoli/bin/generic.

    **1   wimprbclass -S @EventServer:EventServer\
          c:/tivoli/bin/generic/DBArtisanTask/ESM\
          Task.baroc DBArtisanBase**
    2   wcrtsrc -S @EventServer:<eventserver> ESMTask
    **3   wimprbclass -S @EventServer:EventServer\
          c:/tivoli/bin/generic/DBArtisanTask/ \
          DBArtisanTask.baroc DBArtisanBase**
    **4   wcomprules -S @EventServer:EventServer\
          DBArtisanBase**

5.   Load the rule base by entering the following:

    wloadrb -S @EventServer:EventServer DBArtisanBase

6.   Do one of the following:

     If event server is running, enter the following:

    1   wstopesvr -S @EventServer:EventServer
    2   wstartesvr -S @EventServer:EventServer
    —OR—

    If event server is not running, enter the following:

    wstartesvr -S @EventServer:EventServer

# Accessing DBArtisan from the Tivoli Desktop

With the DBArtisan Integration, you can access DBArtisan
Managed Datasources from the **Tivoli Desktop**. In the Tivoli
Desktop, you select a database associated with a managed

datasource. In response, the DBArtisan Desktop is displayed, automatically positioned to the datasource you selected.

Note: DBArtisan can be accessed only from a Tivoli Desktop that is run on a Windows NT host where DBArtisan is installed.

Follow this procedure to access DBArtisan datasources:

1. From the **Tivoli Desktop**, double-click on the policy region that contains the database on which you want to use DBArtisan. The policy region in the following example is **mmoore-region**.
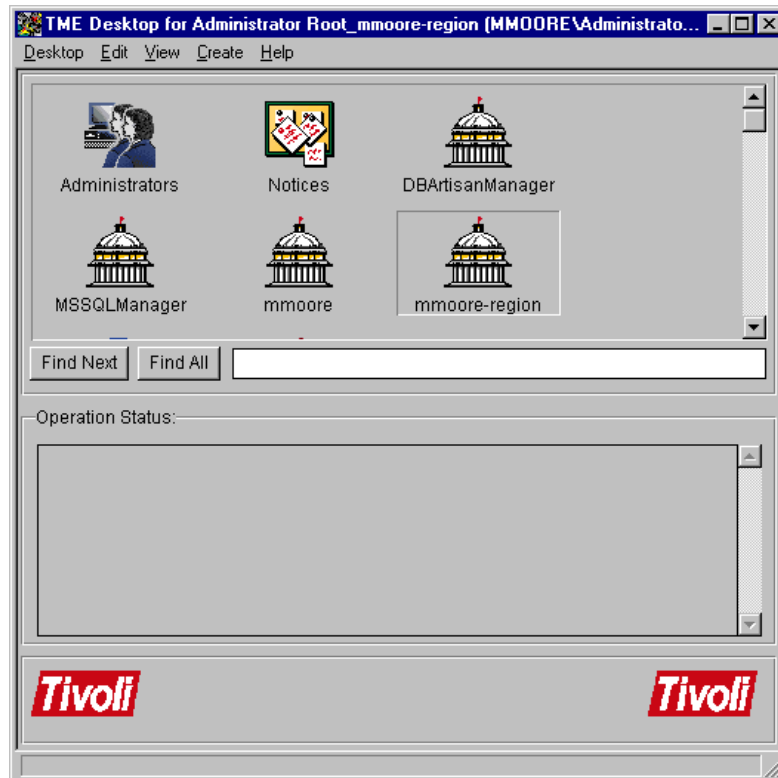
2. From the **Policy Region** window, double-click on the database server icon to display the databases at the server.

3. Right-click on a database, then choose **DBArtisan** from the menu to display the list of menu items. Each menu item

corresponds to a node of the DBArtisan Datasource Explorer Tree.
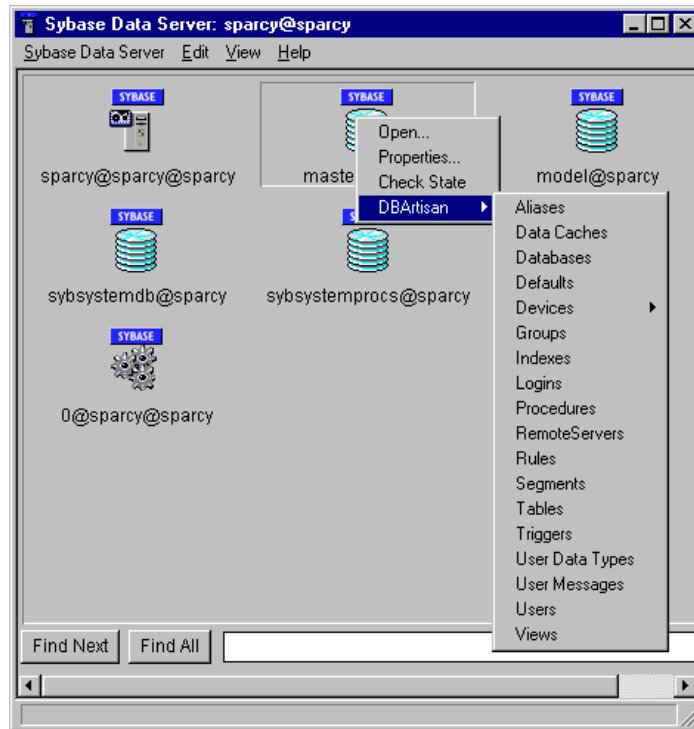
Note: The menu presented is fixed. Some choices may not be valid for the database you choose.

4. Choose a menu option. The DBArtisan Desktop is launched (if it is not already running) and positioned to show the selected node of the DBArtisan Datasource Explorer Tree. The example

below shows the list of databases for a Microsoft SQL Server Version 6.5 server named MMOORE_2.
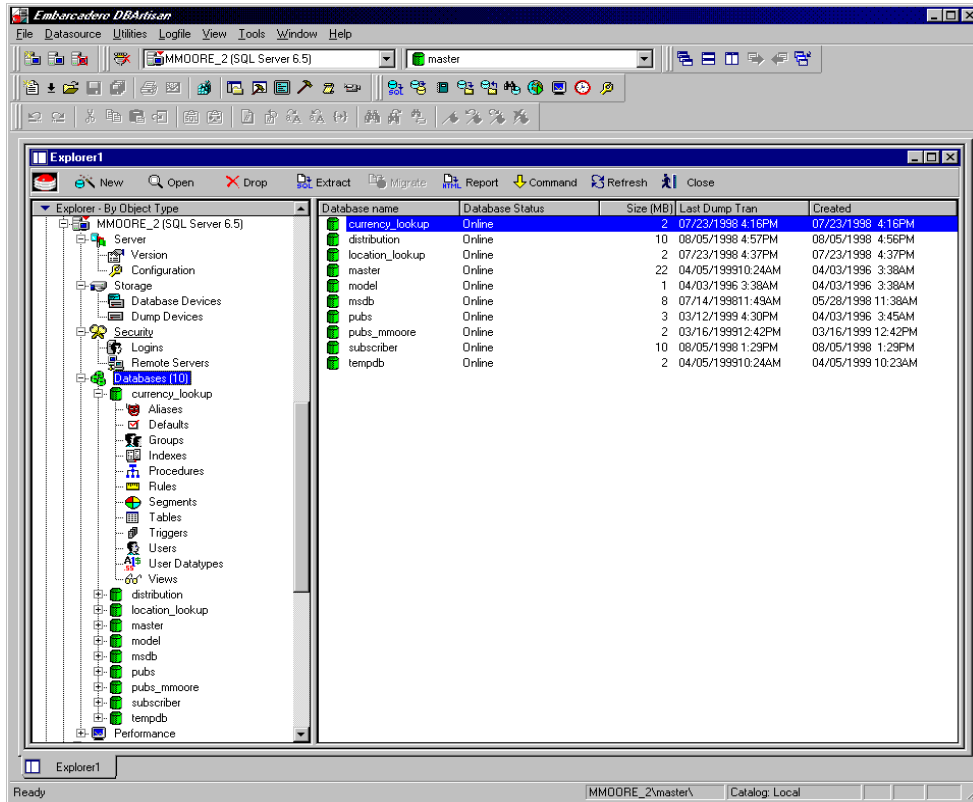
For additional information about datasources and the operations that you can perform on them, refer to the user's guide for DBArtisan. Note that the datasource objects that can be managed vary from database product to database product (DB2, Microsoft SQL Server, Oracle, Sybase).

Running DBArtisan Tasks

The DBArtisan Integration consists of three tasks in the **DBArtisanManagerTasks** Task Library. You execute, or run, DBArtisan tasks in the same way that you run other Tivoli tasks.

The following table provides the context and authorization role required for this procedure:

Activity	Context	Required Role
Run a task	Databases and Managed Nodes	**senior** **super** **user** *product*_**dba** for each Tivoli Manager product

Running Tasks from the Desktop

Use the following steps to run a DBArtisan task:

1. Display the **Task Library: DBArtisanManagerTasks** window.

   a. Double-click on the DBArtisan policy region from the **Tivoli Desktop**.
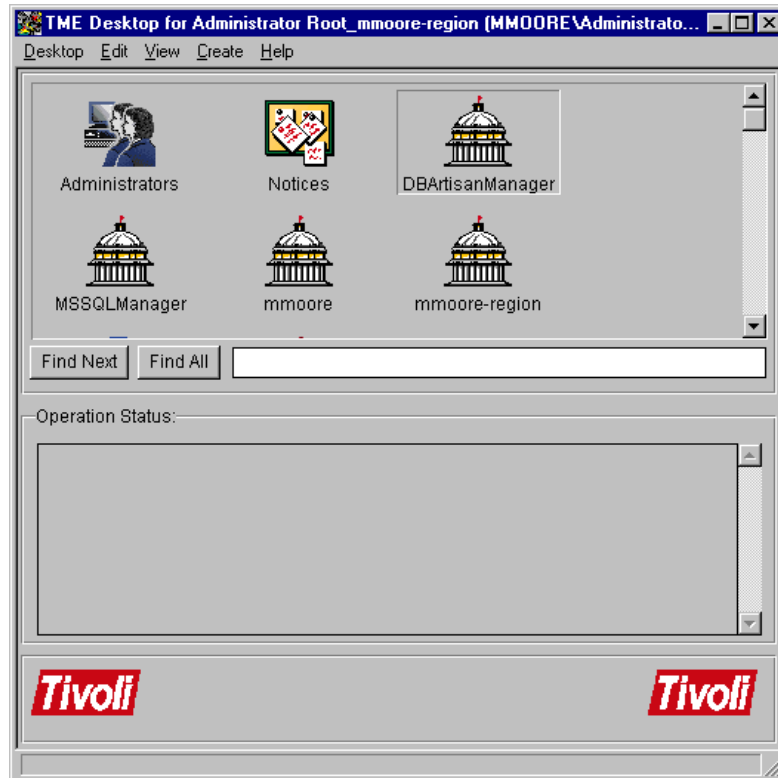
b. Double-click on the **DBArtisanManagerTasks** icon.
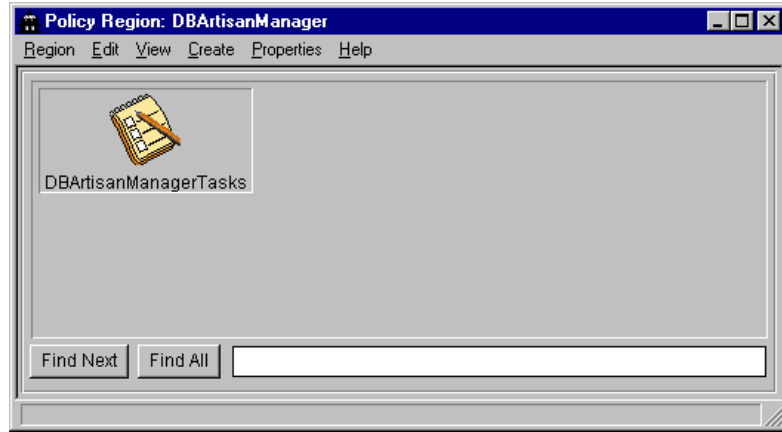
The system displays the **Task Library: DBArtisanManagerTasks** window.
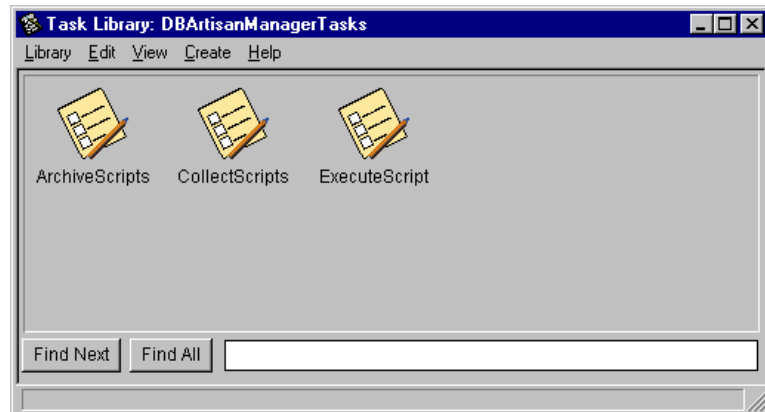
2. Select the task that you want and double-click on it to display the **Execute Task** dialog.

3. Press the **Execute Task...** option to display the **Execute Task** dialog, which is a generic dialog of execution parameters for all tasks.
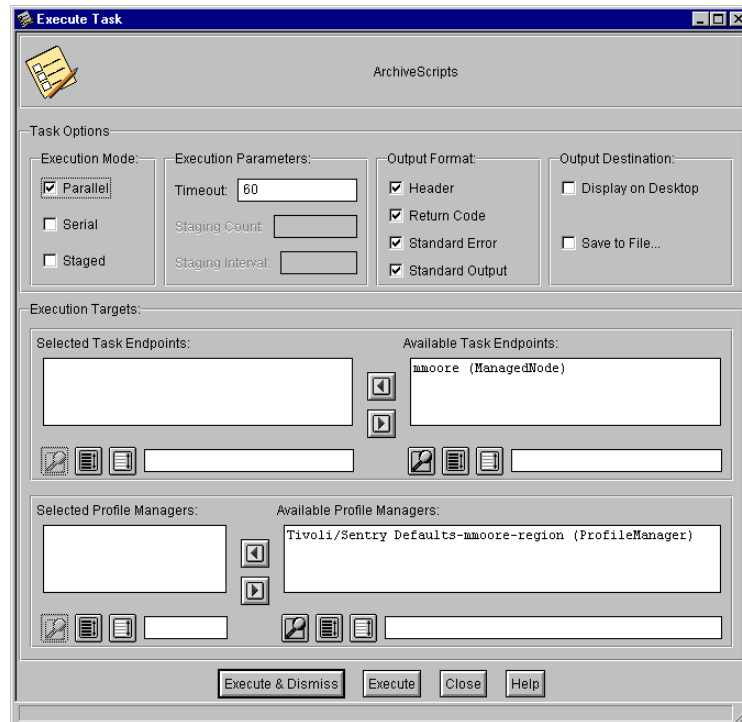
4. Select one of the following check boxes under **Execution Mode**:

   Parallel runs the task on all targets in parallel.

   Serial runs the task synchronously on all targets. The task is executed on the endpoints in alphabetical order.

   Staged runs the task in a staged fashion on sets of managed nodes.

   When you select this option, the **Staging Count** and **Staging Interval** fields in the **Execution Parameters** area become available; you must enter the appropriate values for these fields at step 6. The task is executed on the endpoints in alphabetical order.

5. Type a timeout value (in seconds) for the task in the **Timeout** field.

   This value specifies the number of seconds Tivoli waits for the task or job to complete before it issues an error. The default is 60 (seconds). If the task takes longer to complete than the specified **Timeout** and is running in **Serial** or **Staged** mode, Tivoli moves on to other endpoints after this time expires. The task continues to execute on the endpoint, even though Tivoli has stopped waiting for it to end.

6. If you selected **Staged** in step 4, specify the number of endpoints to include in each staged set in the **Staging Count** field and the number of seconds between each set's start-up time in the **Staging Interval** field.

7. Choose the types of output for the task to return by selecting one or more of the following check boxes in the **Output Format** area:

   Header includes a descriptive header for each record.

   Return Code includes the task's return code.

   Standard Output includes the standard output.

   Standard Error Output includes the standard error output.

8. Select the **Display on Desktop** check box in the **Output Destination** area to display the task output on the desktop.

9. To save the task output to a file, do the following:

   a. Select the **Save to File...** check box in the **Output Destination** area to display the **Destination for Task Output** dialog.

   b. Enter the name of the host on which to save the output in the **On Host** field. The host must be a Tivoli client or managed node.

   c. Enter the absolute pathname for the output file in the **Output File** field. For example, type **/tmp/mytask.out**.

   d. Press the **Set & Close** button to set your choices and return to the **Execute Task** dialog.

10. Choose the endpoints on which you want to run the task. You can do one of the following:

    Run the task on specific endpoints by doing the following:

    a. Select the endpoints from the **Available Task Endpoints** scrolling list.

    b. Press the left arrow button to move the selected endpoints to the **Selected Task Endpoints** scrolling list.

    —OR—

    Run the task on all subscribers of the specified profile managers by doing the following:

    a. Select profile managers from the **Available Profile Managers** scrolling list.

    b. Press the left arrow button to move the selected profile managers to the **Selected Profile Managers** scrolling list.

11. Press the **Execute** button to display the task argument dialog.

12. Enter appropriate responses at each area in the task argument dialog.

For a description of the information required for each field, refer to "ArchiveScripts" on page 23, "CollectScripts" on page 27, "ExecuteScript" on page 30, or press the **Task Description...** button to display the online help.

13. Press the **Set & Execute** button to run the task.

Running Tasks from the Command Line

Use the **wruntask** command to run a task. Since not all users use the same task library, the documentation for the **wruntask** command does not provide information for specific tasks, such as those for DBArtisan Integration. See the "CLI Syntax" and "CLI Example" sections for each task. The "CLI Example" section provides an example of how to enter the **wruntask** command and the task arguments at the command line.

For more information on the **wruntask** command, see the *TME 10 Framework Reference Manual*.

Task Reference

This following sections contain information about the three tasks that you use with DBArtisan. For each task, you will find the following information:

- ■ **Description** describes what the task does.

- ■ **Authorization role(s)** tells what Tivoli role a user must have to run the task

- ■ **Target endpoint** identifies what kind of endpoint the task is run on (managed node, server, database).

- ■ **GUI data entry fields** provides a detailed description of each argument that can be set for the task through the GUI.

- ■ **CLI syntax and example** provides the complete syntax and an example for running the task from the command line rather than the GUI.

- ■ **Output** describes the information provided by running this task.

- ■ **Usage notes** contains additional information about the task.

ArchiveScripts

DESCRIPTION

Specifies the **Session Files** that you want to store in another directory. The **Session Files** were recorded with DBArtisan **Datasource —> Session Recording** command or the **Session Recording** icon. The task archives the file to the Archive subdirectory of the directory that you specified as the database directory during TMR installation.

Note: Before the system can display a list of files for archiving, you must collect them with the **CollectScripts** task.
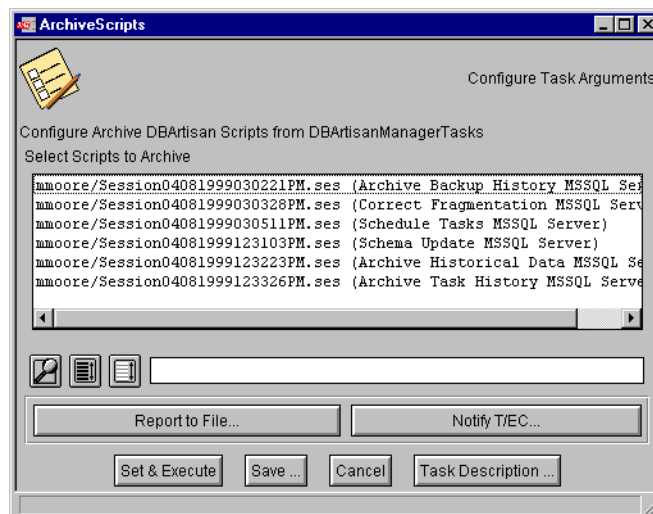
AUTHORIZATION ROLE

senior, super, and **user**

TARGET ENDPOINT

TMR Server

GUI DATA ENTRY FIELDS

The following shows the **ArchiveScripts** dialog; a description of each field follows.

Select Scripts to Archive

Displays a list of sessions files that were made from DBArtisan, which were collected with the **CollectScripts** task.

You can select one or more **Session Files** to archive.

Report to File...

Displays the **Create a Report File** dialog so you can save the output information for this task to a file. See "Using the Create a Report File Dialog" on page 33.

Notify T/EC... Displays a dialog so you can forward the success or failure of the task to a T/EC server. See "Using the T/EC Dialog" on page 37.

CLI SYNTAX

ArchiveScript

–a FileList=<*filename1*>**.ses** <*filename2*>**.ses**

[**–a NotifyTEC**]

[**–a ReportToFile]**

FileList <*filename*> is the pathname to and the filename(s) of the **Session File**(**s**) you want to archive. Separate filenames by leaving a space between each filename.

NotifyTEC See "Using NotifyTEC from the CLI" on page 37.

ReportToFile See "Using ReportToFile from the CLI" on page 36.

CLI EXAMPLE

```
wruntask -t ArchiveScripts
-l "DBArtisanManagerTasks"
-h rlisansk
-a FileList="c:/tivoli/db/rlisansk.db/tmp/Session04091999091659AM.ses\
c:/tivoli/db/rlisansk.db/tmp/Session04091999091700AM.ses"
```

OUTPUT

The following shows the output for this task:
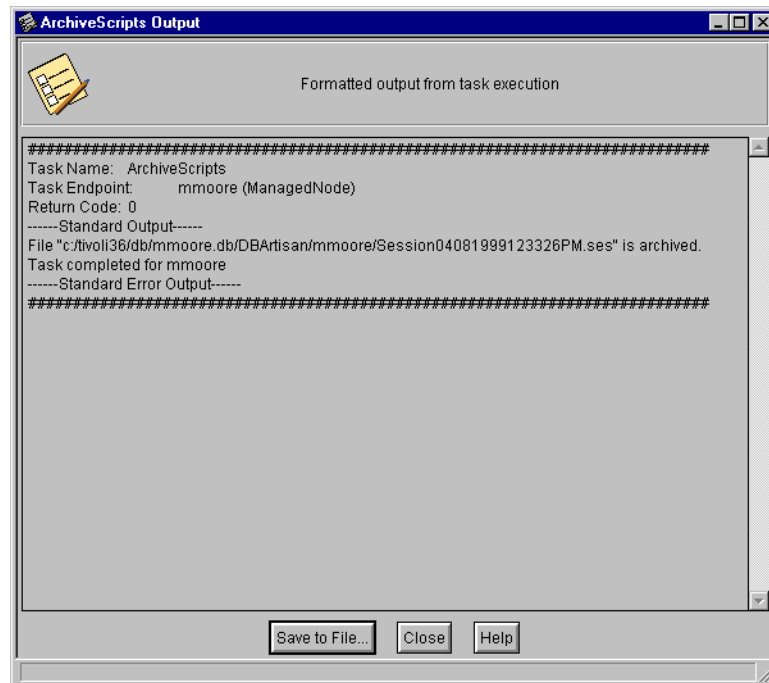
USAGE NOTES

When you create **Session Files** with DBArtisan **Datasource —> Session Recording** command or the **Session Recording** icon, you may want to identify the database on which you want to use them. This makes them easier to identify when you want to archive them.

Before you can display a list of files for archiving, you must collect them with the **CollectScripts** task. After you archive **Session Files**, they no longer appear in the list for the **ArchiveScript** or **ExecuteScript** tasks. The **ArchiveScript** task stores the archived files in the TMR server's database directory: **$DBDIR/Archive** directory.

Once the files are archived you must manually relocate them if you want to use them. To retrieve an archived **Session File**, copy it from the **ARCHIVE** directory on the TMR server. For example:

Copy the files from:

```
./tivoli/db/rlisansk.db/DBArtisan/rlisansk/ARCHIVED/<sessionfile>.ses
```

into a temporary directory, such as the following:

```
./tivoli/db/rlisansk.db/DBArtisan/rlisansk/<sessionfile>.ses
```

Where the TMR stores the **Session Files** for execution on the specified endpoints.

CollectScripts

DESCRIPTION

Collects a list of **Session Files** from the DBArtisan default location for these files and stores them on the TMR Server. The DBArtisan default location is:

C:\Program Files\ Embarcadero\ DBArtisan\SesFiles.

The task stores them under the directory specified as the database directory during TMR installation.

The **Session Files** were recorded with DBArtisan **Datasource —> Session Recording** command or the **Session Recording** icon.

You must use this task to collect the sessions files before you can use the **ArchiveScripts** or **ExecuteScript** tasks, which can only display a list of collected files.
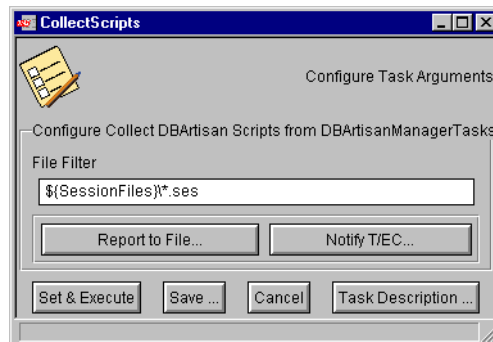
AUTHORIZATION ROLE

senior, super, and **user**

TARGET ENDPOINT

Managed Nodes

GUI DATA ENTRY FIELDS

The following shows the **CollectScripts** dialog; a description of each field follows.

File Filter **$(SessionFiles)*.ses** tells the task to collect all the DBArtisan **Session Files** in the **C:\Program Files\ Embarcadero\DBArtisan\SesFiles** directory. If you stored the **Session Files** in another location, enter the complete path and filename in this field.

Report to File...

Displays the **Create a Report File** dialog so you can save the output information for this task to a file. See "Using the Create a Report File Dialog" on page 33.

Notify T/EC... Displays a dialog so you can forward the success or failure of the task to a T/EC server. See "Using the T/EC Dialog" on page 37.

CLI SYNTAX

CollectScripts

–a FileFilter= *.ses

[**–a NotifyTEC**]

[**–a ReportToFile]**

FileFilter *.**ses** tells the task to collect all the tasks from DBArtisan. You cannot specify a single file to collect.

NotifyTEC See "Using NotifyTEC from the CLI" on page 37.

ReportToFile See "Using ReportToFile from the CLI" on page 36.

CLI EXAMPLE

```
wruntask -t CollectScripts
-l "DBArtisanManagerTasks"
-h rlisansk
-a FileFilter="${SessionFiles}c:/program \
files/embarcadero/dbartisan/sesfiles/*.ses"
```

OUTPUT

The following shows the output for this task.
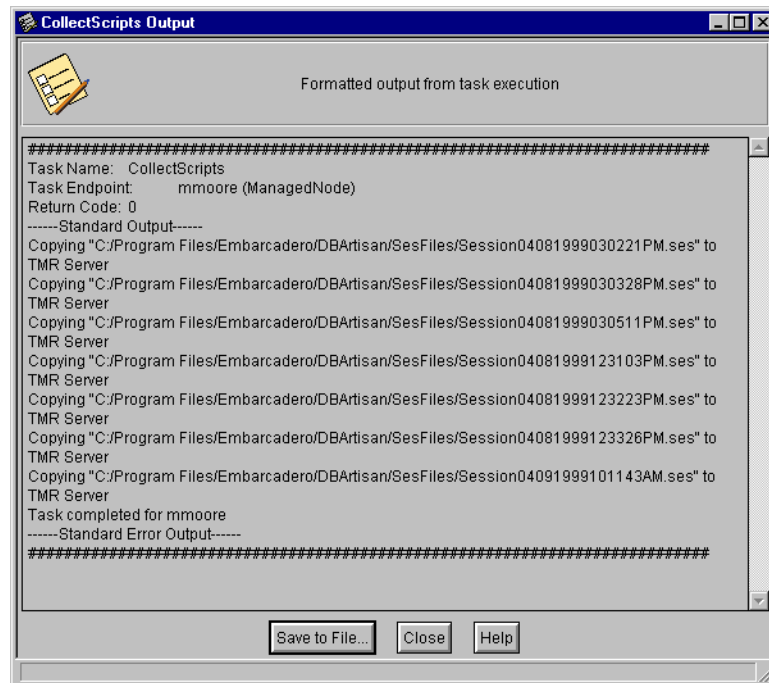
USAGE NOTES

None

ExecuteScript

DESCRIPTION

Runs a selected DBArtisan **Session File** against a selected database on the managed node. Before you can see a list of **Session Files** to execute, you must first run the **CollectScripts** task.

The **Session Files** were recorded with DBArtisan **Datasource —> Session Recording** command or the **Session Recording** icon.

AUTHORIZATION ROLE

senior, super, and **user**, plus DBA role for each Tivoli Manager product managed. Example: **mssqlserver_dba** for Tivoli Manager for Microsoft SQL Server.

TARGET ENDPOINT

Managed Nodes

GUI DATA ENTRY FIELDS

The following shows the **ExecuteScript** dialog; a description of each field follows.
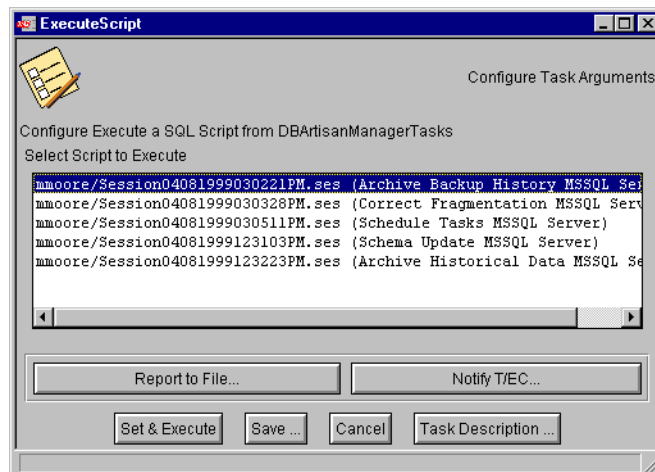
Select Script to Execute

> Displays a list of **Session Files** collected with the **CollectScripts** task. Notice that the name that you gave the **Session File** with the DBArtisan **Datasource —> Session Recording** command or the **Session Recording** icon appears in parentheses behind the task.You can select a single file to run against a specified endpoint.

Report to File...

> Displays the **Create a Report File** dialog so you can save the output information for this task to a file. See "Using the Create a Report File Dialog" on page 33.

Notify T/EC... Displays a dialog so you can forward the success or failure of the task to a T/EC server. See "Using the T/EC Dialog" on page 37.

CLI SYNTAX

ExecuteScript

> **–a ScriptFile=**<*filename*>**.ses**

> [**–a NotifyTEC**]

> [**–a ReportToFile]**

ScriptFile <*filename*>**.ses** specifies the pathname to and the filename of the session file that you want to execute. The collected files are in the directory that you specified as the database directory during TMR installation.

**NotifyTEC** See "Using NotifyTEC from the CLI" on page 37.

ReportToFile See "Using ReportToFile from the CLI" on page 36.

CLI EXAMPLE

```
wruntask -t ExecuteScript
-l "DBArtisanManagerTasks"
-h @MSSQLServer:rlisansk@rlisansk
-a ScriptFile="c:/tivoli/db/rlisansk.db/tmp \
/Session04091999091800AM.ses"
```

OUTPUT

The following shows the output for this task:
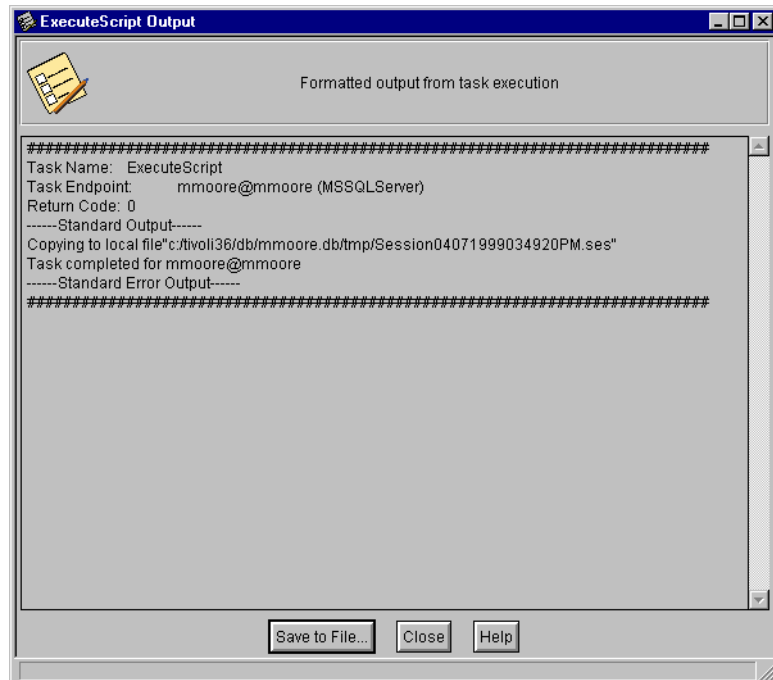
USAGE NOTES

When you create **Session Files** with DBArtisan **Datasource —> Session Recording** command or the **Session Recording** icon, you may want to identify the database on which you want to use them. This makes them easier to identify when you want to archive them.

Common Task Dialogs

Two dialogs are used by several tasks. These common dialogs are explained in this section.

When you press the **Report to File...** button on a task argument dialog, the system displays the **Create a Report File** dialog. See "Using the Create a Report File Dialog."

When you press the **Notify T/EC...** button on a task argument dialog, the system displays the **T/EC** dialog. See "Using the T/EC Dialog" on page 37.

Using the Create a Report File Dialog

Use the **Create a Report File** dialog to save the task output information in a file. This option offers the following advantages over the **Save to File** option:

■ You can choose to send the task output to the monitored host, or you can specify a host. (This is similar to the options offered by Distributed Monitoring.)

■ You can display a drop-down list of available hosts.

■ You can use a default path and filename from the GUI.

The following shows the **Create a Report File** dialog; a description of each field follows.
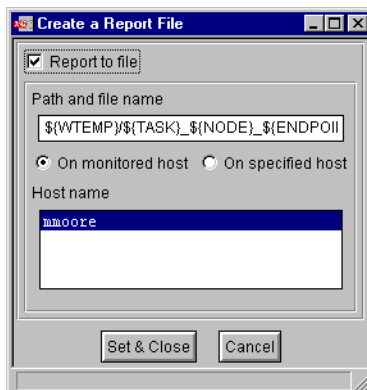
Report to file Tells DBArtisan Integration to save the output information for the task as a file when the box is checked.

Path and file name

Designates the directory path and filename of the output file.

This field displays a list of variables as the default response. All variables, except *WTEMP*, are local to the endpoint running the task. You can use some or all of the variables, or you can enter your own specific information. The variables include:

${DATE} is the current date in *YYYYMMDD* format.

${TIME} is the current time in *HHMMSS* format.

${NODE}* is the name of the managed node (host) the task was run on. Although this information is also included in *${ENDPOINT}, using a separate variable, such as *${NODE}*, makes it easier to sort.

${TASK} is the task CLI name, such as **CollectScript**.

${ENDPOINT} is the name of the endpoint the task was run on.

${WTEMP} is a temporary directory on the managed node on which to save the file. The task uses the **wtemp** command to identify this directory.

In the following example, which demonstrates how the variables work, the **CollectScripts** task was run on two endpoints called **bigdb@corpserv@corpserv** and **smalldb@branchserv@branchserv**. They were saved on **corpserv**.

The following variables were used in the Create a Report File dialog:
${WTEMP}_${TEMP}_${ENDPOINT}_${DATE}_ ${TIME}.**rpt.**

The **wtemp** command reports the following:

```
c:/tivoli/db/rlisansk.db/tmp.
```

The **Create a Report File** dialog creates the following reports:

```
c:/tivoli./db/rlisansk.db/tmp/CollectScripts
branchserv_smalldb@branchserv@branchserv_19990710_133059
.rpt

c:/tivoli/db/rlisansk.db/tmp/CollectScripts
corpserv_bigdb@corpserv@coprserv_19990710_133059.rpt
```

On monitored host

Creates the output file on the monitored host the task was run against. (Mutually exclusive with **On specified host**.)

On specified host

Creates the output file on a specified host, which you designate in the **Host name** field; you cannot save output files on multiple hosts. (Mutually exclusive with **On monitored host**.)

> **Host name**   Displays a scrolling list of host names so you can select the host computer on which to save the output file. Use this field with the **On specified host** field.

Using ReportToFile from the CLI

There are three ways to specify **ReportToFile** from the command line interface.

–a ReportToFile=N

—OR—

–a ReportToFile=Y

> **–a ReportFileName=**<*filename*>
> [**–a SaveReportFileOn=MonitoredHost**]

—OR—

–a ReportToFile=Y

> **–a ReportFileName=**<*filename*>

> [**–a SaveReportFileOn=SpecifiedHost**
> **–a ReportHostName=**<*hostname*>]

The following briefly describes the arguments for **ReportToFile**. For more information on each argument, see the "GUI Data Entry Fields" section in the reference entry for a task.

ReportToFile   **Y** saves the output of this task to a file. **N** does not save the output of this task to a file and is the default.

ReportFileName

> <*filename*> tells the task the path to and the name of the file to create as the task output.

SaveReportFileOn

> Use one of the following:

> **MonitoredHost** creates the output file on the monitored host the task was run against.

> **SpecifiedHost** creates the output file on a specified host. Specify the host with **ReportHostName**.

ReportHostName

> <*hostname*> designates the name of the host on which to save the file created on when you use the **SpecifiedHost** argument.

Using the T/EC Dialog

The **T/EC** dialog sends the task success or failure status to the Tivoli Enterprise Console event server. The following shows the **T/EC** dialog; the description of each field follows.
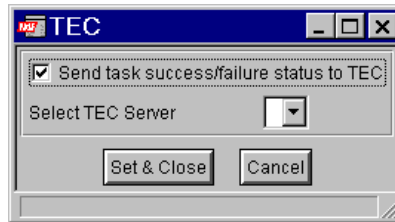
Send task success/failure status to T/EC

> Sends a message to the TEC to report if the task succeeded or failed when the box is checked.

Select T/EC server

> Displays a scrolling list of available TEC servers. You can choose one of these to send the message to.

Using NotifyTEC from the CLI

There are two ways to specify the **NotifyTEC** task from the command line interface.

–a NotifyTEC=N

–a NotifyTEC=Y –a TECServer=<*servername*>

The following briefly describes the arguments for **NotifyTEC**. For more information on each argument, see the "GUI Data Entry Fields" section in the reference entry for a task.

NotifyTEC   **Y** sends the success or failure message to the TEC. **N** does not send the success or failure message to TEC.

This is the default. If **NotifyTEC=Y** and you do not specify **TECServer=<*servername*>**, the default is used.

TECServer   <*servername*> tells the task the name of the TEC server to send the message to.

Running Scripts on the Oracle Database

Before executing a script on a endpoint running Oracle, you must execute the **DBAuth** utility on the endpoint's managed node. This attaches a temporary user name and password object to the Oracle Database that is used to execute the script file specified in the **ExecuteScript** task. The format for this command is:

DBAuth -s <*username*> <*password*> OracleDatabase

<*username*>   Specifies a valid user name for the Oracle database.

<*password*>   Specifies the password associated with the specified <*username*>.

To retrieve the current settings or to verify the settings specified with **DBAuth**, you can enter the following:

DBAuth OracleDatabase

The utility displays the current user name and password used by the DBArtisan Integration to execute DBArtisan generated session files on the targeted endpoint.

Error Messages

Error messages are divided into two tables:

■   Integration and Tivoli errors

■   TEC Errors

Integration and Tivoli Errors

#	Message	Description	Response
120	ERROR:8:Unable to initialize report file. OpenReportFile() must occur after CheckEndpoint().	The ReportToFile option selected failed to create and open the specified file.	Check the location and availability of the specified report file.
141	ERROR:12:Unable to retrieve object id for host *hostname*	A failure occurred while trying to acquire the object id of the specified managed node.	Check that the Tivoli managed node is correctly configured and operational.
168	ERROR:9:Can not open temporary file *directory/file*: $! For *endpoint*.	The directory temporarily used to retain the Session File on the TMR server could not be accessed.	Check the file and directory permissions.
179	ERROR:10:Unable to close report file. File never opened.	The ReportToFile option selected failed to successfully open the specified file.	Check the location and availability of the specified report file.
183	ERROR:11:Can not close *directory/file*: $! For *endpoint*.	The task was not able to successfully close the specified file. The operation may be partially completed.	Check that the specified file is available.
227	ERROR:8:Unable to prepare for files transfer. PrepareFilesTransfer() must occur after CheckEndpoint().	The selected files were not available for transfer either to or from the TMR Server.	Check the locations of the files and directories.

240	ERROR:4:Unable to get label of managed node object ID *OID*	The operation could not complete successfully because of a failure to resolve the label of the selected managed node.	Check the operation of the specified managed node. An inconsistency in the OSERV knowledge of managed nodes may be caused by a more serious problem. Contact Tivoli Systems Technical Support.
247	ERROR:5:Unable to get object ID of managed node *hostname*.	The managed node could not be accessed.	Check that the managed node is functional and accessible from the TMR.
260	ERROR:6:Error accessing directory *directory* on remote managed node *hostname*.	Either the directory does not exist or access permission to the directory is denied.	Check the directory and its permissions.
264	ERROR:7:Directory *directory* does not exist on local managed node *hostname*.	Either the directory does not exist or access permission to the directory is denied.	Check the directory and its permissions.
296	ERROR:1:PrepareFilesTransfer() must be called before this routine.	Internal logic error. Setup for transfer of Session Files invalid.	Contact Tivoli Systems Technical Support.
466	Task must provide a GetTaskName sub-routine.	Internal error.	Contact Tivoli Systems Technical Support
474	GetTaskName returned an empty string.	Internal error.	Contact Tivoli Systems Technical Support
793	Task aborted. No file list specified.	The Task expects a list of files to work on. If you do not specify at least one file, the task fails.	Specify a list of recorded DBArtisan Session files which you wish to perform the desired operation
800	Task aborted. Must be run against TMR server.	No associated TMR server was located to support task execution.	Start the TMR server, then retry the operation.

803	Task aborted. No FileFilter specified.	The Task expects a file filter which it will use to locate DBArtisan recorded Session files. If you do not specify a file filter, the task fails.	Provide a file filter value.
804	Task aborted. No ScriptFile specified.	A DBArtisan recorded Session File must be specified as input for Task execution.	Provide the name of a valid DBArtisan recorded Session File.
808	Task aborted. No ENDPOINT_OID environment variable defined.	The task cannot identify the Tivoli endpoint with which it is operating.	Verify that the TMR is running and that it can contact the managed node.
812	Task aborted.*endpoint dbtype* is not a valid task endpoint.	The endpoint provided does not match any known.	Check the endpoint name specified for the task.
937	Unable to locate path to ISQL executable.	The isql utility program was not located in the expected directory location.	Install the isql utility. It is provided by your Database manufacturer.
976	Unable to locate path to isql executable.	The isql utility program was not located in the expected directory location.	Install the isql utility. It is provided by your Database manufacturer.
1011	Unable to locate path to SQLPlus executable.	The SQLPlus utility was not located in the expected directory location.	Install the SQLPlus utility. It is provided by your Database manufacturer.
1037	Empty Session File.	The DBArtisan Session file you selected does not contain any SQL Statements	Check the contents of the DBArtisan Session file. Re-create it if necessary.

1052	Unable to locate path to ecdb2mc executable.	The ecdb2mc utility was not located in the expected directory location.	Install the ecdb2mc utility. It is provided by your Database manufacturer.

TEC Errors

#	Message	Description	Response
494	ENDPOINT_OID Not Defined	The selected Tivoli endpoint does not exist.	Verify the endpoint is operational.
495	ENDPOINT Not Defined	An endpoint was not selected, or is not available for the selected operation.	Verify the Endpoint is operational.
605	Unable to run *command*	System level functionality is inaccessible to the task.	Check TMR configuration.
615	Command Error Running *command* : *errormessage*	The Shell Command specified could not be executed.	Verify the executable is in the specified location, appropriate permissions are granted, and that the username / password for the intended database server are correct.

Software Defects, Limitations, and Workarounds

This section describes known defects in this release of DBArtisan Integration. Where applicable and known, suggested workarounds are identified. This may not be a complete list of defects.

Description/ Workaround	CMVC Number
ExecuteScript task: DB/2 parallel database partitions are not supported by the ExecuteScript task.	69683
ExecuteScript task: fails with timeout while running session files on Windows NT running Tivoli Framework 3.6. The DBAuth utility requires MSVCRT.DLL, which is not installed with Tivoli Framework 3.6. **Workaround**: in \WINNT\system32, copy MSVCRT40.DLL to MSVCRT.DLL.	70796
CollectScripts task: if the CollectScripts task fails, TEC gets a DBArtisan_succeeded message.	70794