IBM

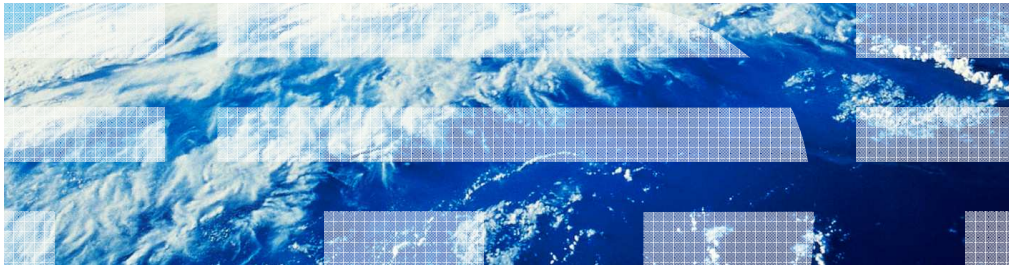# IBM Tivoli Endpoint Manager V8.2

Deploying a Tivoli Remote Control application server
from the IBM Tivoli Endpoint Manager console

IBM Tivoli® Endpoint Manager V8.2, Deploying a Tivoli Remote Control Application Server
from the IBM Tivoli Endpoint Manager Console.

Objectives

After you complete this training module, you can deploy a Tivoli Remote Control application server from an IBM Tivoli Endpoint Manager console

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console

After you complete this module, you can deploy a Tivoli Remote Control Application Server from an IBM Tivoli Endpoint Manager console.

Assumptions

The following assumptions are made:

- The system is deployed on one server that hosts both the Tivoli Remote Control (TRC) application server and the Microsoft SQL Server

- You use either Microsoft SQL Server 2005 or 2008 R2

- You use a clean installation with no previous TRC data

It is assumed that the deployment is on a single server that hosts both the TRC application server and Microsoft SQL Server. It is also assumed that you have a clean installation with no prior TRC data and that you are using either Microsoft SQL Server 2005 or Microsoft SQL Server 2008 R2.

Server back-end preinstallation tasks

- The server onto which the TRC server software is deployed must have a Microsoft SQL Server that is installed on it with mixed mode authentication
- You use the as account to establish the data connection between the TRC server software and the SQL Server software
- Ensure that the as account is active and the password is set. The sa account has all granted privileges by default over all databases that are created in SQL Server

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console   © 2013 IBM Corporation

Several preinstallation conditions must be verified before you deploy the Tivoli Remote Control software onto a server.

First, SQL Server software must already be installed with mixed mode authentication.

Second, an sa account must already be established for data connections between the TRC Server and the SQL server software applications. The sa account must be active with a valid user name and password, and have default settings which grant privileges over all databases created in SQL server.

Selecting a JDBC driver

- Download the JDBC driver software from Microsoft

- Use the driver to connect the TRC server software to the SQL Server software

- Microsoft provides these executable files:
  – Microsoft SQL Server JDBC Driver 3.0
    sqljdbc_3.0.1301.101_enu.exe
  – Microsoft JDBC Driver 4.0 for SQL Server
    sqljdbc_4.0.2206.100_enu.exe

Note: You can use either version, but version 3.0 is preferred

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console   © 2013 IBM Corporation

You can use either JDBC driver shown on the slide, but version 3.0 is preferred.

Downloading and extracting the JDBC driver application

- Download the SQL Server JDBC driver, copy it to the C:\ drive of the server, and extract it
- View the resulting directory structure:

  C:\sqljdbc_3.0\enu
- Ensure that the full path to the JDBC driver for sqljdbc4.jar is as follows:

  C:\sqljdbc_3.0\enu\sqljdbc4.jar

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console © 2013 IBM Corporation

When you download and extract the JDBC driver, the directory structure is **C:\sqljdbc_3.0\enu\,** and the full path to the JDBC driver is **C:\sqljdbc_3.0\enu\sqljdbc4.jar**.

Creating the TRC database file storage directory

- Create a location for the TRC database
- Create the following directory structure:

  C:\sqldata\trcdb

- All Microsoft SQL Server files are stored as follows:

TRCDB.mdf	1/15/2013 12:01 PM	MDF File	4,096 KB
TRCDB_log.ldf	1/15/2013 12:01 PM	LDF File	1,024 KB

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console © 2013 IBM Corporation

Create the directory **trcdb** for storage of the Microsoft SQL Server local and master data files.

Steps to deploy TRC from the IBM Tivoli Endpoint Manager console

Use these steps to deploy the TRC server from the IBM Tivoli Endpoint Manager console :
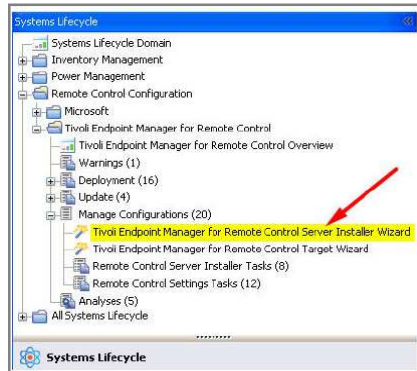
1. Create the Tivoli Endpoint Manager for Remote Control server installation task
2. Create a default server configuration

There are two major steps in deploying a TRC server from the IBM Tivoli Endpoint Manager console. First, you create the Tivoli Endpoint Manager for Remote Control Server installation task. Then, you create a default server configuration.

Initializing the TRC server installation wizard

Log in to IBM Tivoli Endpoint Manager V8.2 and accomplish these tasks:

1. Locate the **Tivoli Endpoint Manager for Remote Control Server Installer Wizard**

2. Initialize the installation wizard

9   Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console   © 2013 IBM Corporation

Log in to IBM Tivoli Endpoint Manager and locate and start the Remote Control Server installation wizard.

Configuring the TRC server (1 of 3)

Create the default server configuration with the information listed in the next three tables

Windows radio button	*<selected>*
Installation Directory	c:\Program files\IBM\Tivoli\TRC\server
MSSQL 2005/2008 radio button	*<selected>*
Database server address	127.0.0.1
Port on which to connect to the database	1433
Name of database to use	TRCDB

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console   © 2013 IBM Corporation

To begin configuring the default settings for the Tivoli Remote Control server, set the database server address, database connection port, and database name as shown on the slide. The default installation directory is **C:\Program files\IBM\Tivoli\TRC\server** and both the Windows radio button and the MSSQL radio buttons are selected.

Configuring the TRC server (2 of 3)

Database Administrator User ID	sa
Database Administrator password	database password
Path to the JDBC drivers	C:\sqljdbc_3.0\enu\sqljdbc4.jar
if Local, create the database	*<selected>*
if Local, drop and existing database	*<selected>*
New database location (existing directory required)	c:\sqldata\trcdb
HTTPS as default setting for Target URL	*<cleared>*
Address of WebSphere® server	localhost

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console   © 2013 IBM Corporation

On this slide, the default TRC server configuration is displayed for the database administrator user ID and password. The location of the JDBC drivers and database are also shown. You need to make sure to select the **if Local create the database** and the **if Local, drop existing database** options. Also, ensure that the address of the WebSphere server is displayed, and the **HTTPS as Default for the Target URL** option is cleared.

Configuring the TRC server (3 of 3)

Web path of URL	trc
HTTP port	80
HTTPS port	443
Administrator email	Insert email here
Enable FIPS	*<cleared>*
Adjust some advanced web parameters	*<cleared>*

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console

On this slide, you see the web path URL, HTTP port, HTTPS port, and administrator email. By default, the **Enable FIPS** and **Adjust some advanced web parameters** options are cleared.

TRC server configuration sample

Installation Directory   C:\Program Files\IBM\Tivoli\TRC\server

○ Derby   ○ DB2 v8.x   ○ DB2 v9.x   ○ MSSQL 2000   ⊙ MSSQL 2005/2008

Database server address	127.0.0.1
Port on which to connect to the database	1433
Name of the Database to use	TRCDB
Database Administrator Userid	sa
Database Administrator Password	cesare08
Path to the JDBC drivers	c:\sqljdbc_3.0\enu\sqljdbc4.jar
If Local, create the database	☒
If local, drop an existing database	☒
New database location (existing directory required)	c:\sqldata\trcdb

HTTPS as Default for Target URL	☐
Address of the WebSphere server	localhost
Web path of URL	trc
HTTP port	80
HTTPS port	443
Administrator email	francy@it.ibm.com
Enable FIPS	☐
Adjust some advanced web parameters	☐

On this slide, you see an example of the TRC server configuration. The installation directory path in this example is **C:\Program Files\IBM\Tivoli\TRC\server**.

Deploying remote server installer tasks

Click **Remote Control Server Installer Tasks**. The tasks are now ready to be used to deploy to the designated Windows server of your choice

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console © 2013 IBM Corporation
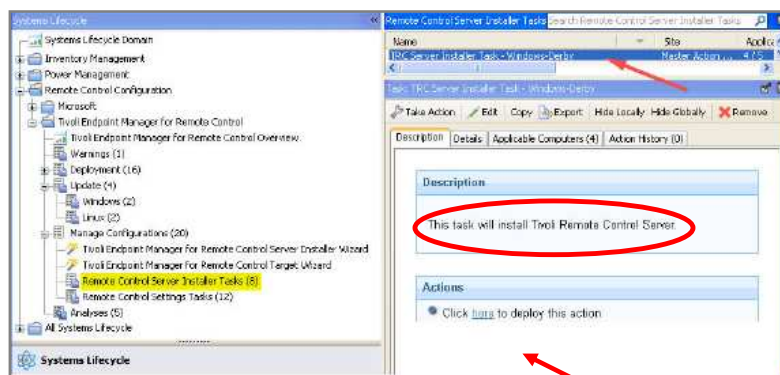
Return to the Systems Lifecycle domain and click **Remote Control Server Installer Tasks**. You can now begin to deploy the tasks to the Windows server of your choice. Click the **here** link under **Actions**.

Deploying TRC server using the installation task

- Install your Tivoli Remote Control server by using the installation task that you configured and created
- Deploy this task and wait for its completion

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console

Install your Tivoli Remote Control Server by using the installation task that you configured and created, and then deploy the task and wait for completion.

Summary

Now that you have completed this training module, you can deploy a Tivoli Remote Control Server from an IBM Tivoli Endpoint Manager console

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console

Now that you have completed this training module, you can deploy a Tivoli Remote Control Server from an IBM Tivoli Endpoint Manager console.

Feedback

Your feedback is valuable

You can help improve the quality of IBM Education Assistant content to better meet your needs by providing feedback.

- Did you find this module useful?

- Did it help you solve a problem or answer a question?

- Do you have suggestions for improvements?

Click to send email feedback:

mailto:iea@us.ibm.com?subject=Feedback_about_deploy_trc_iem.ppt

This module is also available in PDF format at: ../deploy_trc_iem.pdf

Deploying a Tivoli Remote Control application server from the IBM Tivoli Endpoint Manager console   © 2013 IBM Corporation

You can help improve the quality of IBM Education Assistant content by providing feedback.

Trademarks, disclaimer, and copyright information

IBM