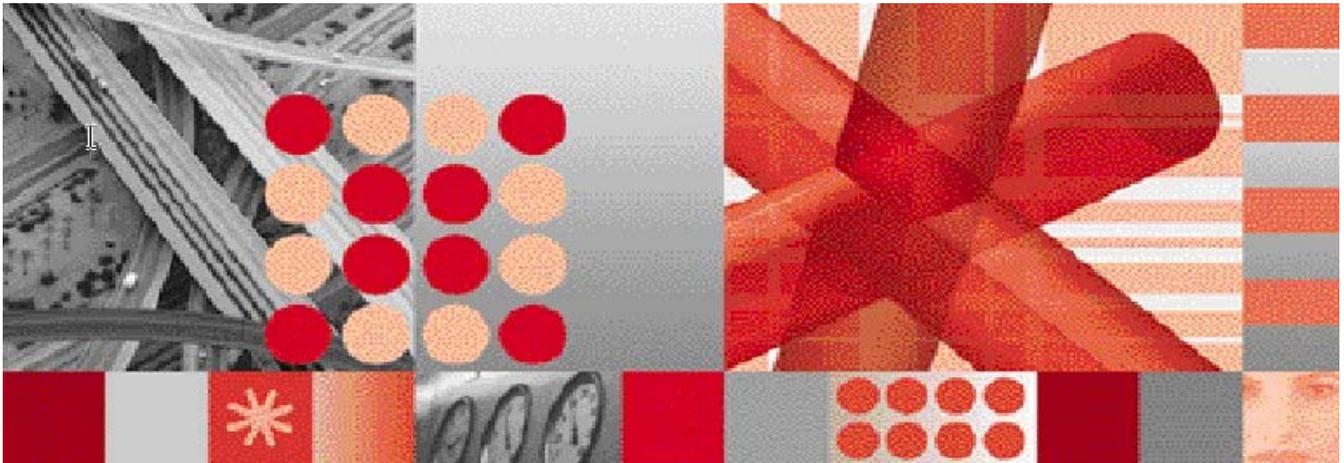




Version 4.1.4



Interim Fix IF0011 Installation Guide

TIVOLI NETCOOL SERVICE QUALITY MANAGER PATCH INSTALLATION GUIDE

Note: Before using this information and the product it supports, read the information in Notices.

This edition applies to version 4, release 1, Modification 4 of IBM Tivoli Service Quality Manager (Product number 5724-V48) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this publication

This publication provides information on the steps required to install IBM® Tivoli® Netcool® Service Quality Manager version 4.1.4 Interim Fix 0011 (4.1.4-TIV-TNSQM-IF0011).

1.1 Intended audience

This publication is for customers who need to install Interim Fix 0011 of the Tivoli Netcool Service Quality Manager product.

Readers need to be familiar with the following topics:

- IT principles
- UNIX® operating systems

1.2 What this publication contains

This publication contains the following chapters:

- Chapter 2 "Installing Tivoli Netcool Service Quality Manager patch 4.1.4.74 (Interim Fix 0011)"
Provides detailed instructions on the deployment and installation of Tivoli Netcool Service Quality Manager patch 4.1.4.74 (Interim Fix 0011).
- Chapter 3 "Removing Tivoli Netcool Service Quality Manager patch 4.1.4.74 (Interim Fix 0011)"
Provides detailed instructions on the un-installation and removal of Tivoli Netcool Service Quality Manager patch 4.1.4.74 (Interim Fix 0011).

1.3 Publications

This section lists the publications in the IBM Tivoli Netcool Service Quality Manager core library. It also describes how to access Tivoli publications online and how to order Tivoli publications.

1.3.1 IBM Tivoli Netcool Service Quality Manager core library

The IBM Tivoli Netcool Service Quality Manager core library contains the following publications:

- *IBM Tivoli Netcool Service Quality Manager AIX Server Installation Guide, GC23-9847-00*
Describes how to install the Tivoli Netcool Service Quality Manager server system on IBM AIX® systems.
- *IBM Tivoli Netcool Service Quality Manager Solaris Server Installation Guide, GC23-9846-00*
Describes how to install the Tivoli Netcool Service Quality Manager server system on Solaris systems.
- *IBM Tivoli Netcool Service Quality Manager Client Installation Guide, GC23-9850-00*
Describes how to install the Tivoli Netcool Service Quality Manager client.
- *IBM Tivoli Netcool Service Quality Manager Upgrade Guide, SC23-9842-00*
Details how to upgrade from one Tivoli Netcool Service Quality Manager version to another.
- *IBM Tivoli Netcool Service Quality Manager AIX and Solaris System Administration Guide, SC23-9845-00*
Provides an overview of the AIX Tivoli Netcool Service Quality Manager administrative tasks including instructions on how to complete the following tasks:
 - Starting and stopping the Tivoli Netcool Service Quality Manager application.
 - Running batch processes such as archiving trace files and log files.
 - Backing up and restoring the system.
- *IBM Tivoli Netcool Service Quality Manager Provisioning Service SI Guide, SC23-9852-00*
Reference guide containing information for provisioning the Tivoli Netcool Service Quality Manager system.
- *IBM Tivoli Netcool Service Quality Manager Customer Experience Manager Provisioning Guide, SC23-9843-00*
Provides information for provisioning the Tivoli Netcool Customer Experience Manager system.
- *IBM Tivoli Netcool Service Quality Manager Customer Experience Manager Monitoring Guide, SC23-9482-00*
Describes how to use and monitor the Tivoli Netcool Customer Experience Manager feature in the Tivoli Netcool Service Quality Manager product.
- *IBM Tivoli Netcool Service Quality Manager Monitoring Guide, SC23-9103-01*

Describes monitoring (Service-level agreement (SLA) monitor, Key quality indicator (KQI) analyzer, alarm monitor, audit manager, and SLA Webview applications) in the Tivoli Netcool Service Quality Manager product.

- *IBM Tivoli Netcool Service Quality Manager Configuration Guide, SC23-9102-01*

Describes SLA provisioning (parties, SLAs, and SLA templates applications) and Tivoli Netcool Service Quality Manager provisioning (service resources, KQI models, and service module applications) in the Tivoli Netcool Service Quality Manager product.

- *IBM Tivoli Netcool Service Quality Manager BusinessObjects Installation and Configuration Guide, SC23-9473-00*

Provides information on the steps required to install and configure the BusinessObjects server and client for use with the Tivoli Netcool Service Quality Manager product.

- *IBM Tivoli Netcool Customer Experience Manager Customer Relationship Management Development Guide, SC23-9857-00*

Provides an overview of the Customer Relationship Management (CRM) proxy server and the CRM plug-in module. The CRM plug-in modules, developed using Java™ code, mediate between the Tivoli Netcool Customer Experience Management framework and an external CRM system.

- *IBM Tivoli Netcool Service Quality Manager Release Notes, GI11-9221-00*

Provides information on the Tivoli Netcool Service Quality Manager release contents, platform requirements, installation and upgrade procedures, and known issues.

1.3.2 Prerequisite publications

To use the information in this publication effectively, you must have some prerequisite knowledge, which you can obtain from the Tivoli Netcool Service Quality Manager core library documentation listed in section 1.3.1.

1.3.3 Accessing terminology online

The IBM Terminology Web site consolidates the terminology from IBM product libraries in one convenient location. You can access the Terminology Web site at <http://www.ibm.com/software/globalization/terminology>.

1.3.4 Accessing publications online

The product CD contains the publications that are in the product library. The format of the publications is PDF.

IBM posts publications for Tivoli products, as they become available and whenever they are updated, to the Tivoli Documentation Central Web site at <http://www.ibm.com/tivoli/documentation>.

Note: If you print PDF documents on other than letter-sized paper, set the option in the **File -> Print** window that allows Adobe® Reader to print letter-sized pages on your local paper.

1.3.5 Ordering publications

You can order many Tivoli publications online at <http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>.

You can also order by telephone by calling one of these numbers:

In the United States: 800-879-2755

In Canada: 800-426-4968

In other countries, contact your software account representative to order Tivoli publications. To locate the telephone number of your local representative, perform the following steps:

1. Go to <http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>.
2. Select your country from the list and click **Go**.
3. Click **About this site** in the main panel to see an information page that includes the telephone number of your local representative.

1.4 Tivoli technical training

For Tivoli technical training information, refer to the following IBM Tivoli Education Web site at <http://www.ibm.com/software/tivoli/education>.

1.5 Tivoli user groups

Tivoli user groups are independent, user-run membership organizations that provide Tivoli users with information to assist them in the implementation of Tivoli Software solutions. Through these groups, members can share information and learn from the knowledge and experience of other Tivoli users. Tivoli user groups include the following members and groups:

- 23,000+ members
- 144+ groups

Access the link for the Tivoli Users Group at www.tivoli-ug.org.

1.6 Support information

If you have a problem with your IBM software, you want to resolve it quickly. IBM provides the following ways for you to obtain the support you need:

1.6.1 Online

Access the Tivoli Software Support site at

<http://www-01.ibm.com/software/sysmgmt/products/support/index.html?ibmprd=tivman>.

Access the IBM Software Support site at <http://www.ibm.com/software/support/probsub.html>.

1.6.2 IBM Support Assistant

The IBM Support Assistant is a free local software serviceability workbench that helps you resolve questions and problems with IBM software products. The Support Assistant provides quick access to support-related information and serviceability tools for problem determination. To install the Support Assistant software, go to <http://www.ibm.com/software/support/isa>.

1.6.3 Additional information

Consult the Release Notes for Tivoli Netcool Service Quality Manager Interim Fix 0011 for additional information pertaining to the content and functionality in this release.

1.7 Conventions used in this guide

This publication uses several conventions for special terms and actions, operating system-dependent commands and paths, and margin graphics.

1.7.1 Typeface conventions

This publication uses the following typeface conventions:

Bold

- Lowercase commands and mixed case commands that are otherwise difficult to distinguish from surrounding text.
- Interface controls (check boxes, push buttons, radio buttons, spin buttons, fields, folders, icons, list boxes, items inside list boxes, multicolumn lists, containers, menu choices, menu names, tabs, property sheets), labels (such as **Tip:**, and **Operating system considerations:**)
- Keywords and parameters in text.

Italics

- Citations (examples: titles of publications, diskettes, and CDs)
- Words defined in text (example: a nonswitched line is called a *point-to-point line*)
- Emphasis of words and letters (words as words example: "Use the word *that* to introduce a restrictive clause."; letters as letters example: "The LUN address must start with the letter *L*.")
- New terms in text (except in a definition list): a *view* is a frame in a workspace that contains data.
- Variables and values you must provide.... where *myname* represents.....

Monospace

- Examples and code examples.
- File names, programming keywords, and other elements that are difficult to distinguish from surrounding text.
- Message text and prompts addressed to the user.
- Text that the user must type.
- Values for arguments or command options.

1.7.2 Operating system-dependent variables and paths

This publication uses the UNIX convention for specifying environment variables and for directory notation. When using the Windows® command line, replace *\$variable* with *%variable%* for environment variables and replace each forward slash (/) with a backslash (\) in directory paths. The names of environment variables are not always the same in the Windows and UNIX environments. For example, %TEMP% in Windows environments is equivalent to \$TMPDIR in UNIX environments.

Note: If you are using the bash shell on a Windows system, you can use the UNIX conventions

2 Installing Tivoli Netcool Service Quality Manager patch 4.1.4.74 (Interim Fix 0011)

2.1 Tivoli Netcool Service Quality Manager patch prerequisites

The Tivoli Netcool Service Quality Manager 4.1.4 Interim Fix 0011 (IF0011) patch can only be applied on a Tivoli Netcool Service Quality Manager server on version 4.1.4 IF0010 (4.1.4.73).

Table 1: Prerequisites

Version	Type
4.1.4.73	4.1.4 IF0010

To determine the baseline and patch levels currently installed, execute the following command as user saserver on the application or consolidated server:

```
$ sap version
```

Output similar to the following syntax is displayed:

```
Baseline Version:  
IBM SQM4.1.4.12  
Current Version:  
SQM4.1.4.73  
Patch History:  
SQM4.1.4.73
```

2.2 Tivoli Netcool Service Quality Manager patch installation - core patch

Note (distributed installation): In a distributed system, perform this section on the application server only.

Note (patch version): The patch to be installed is `patch-SQM4.1.4.74-patch.tar.gz`. This patch can only be installed on systems running Tivoli Netcool Service Quality Manager.

Note (Prerequisite): The Tivoli Netcool Service Quality Manager 4.1.4 Interim fix 0011 (IF0011) patch should only be applied when building an integrated Tivoli Netcool Service Quality Manager Center environment linking Tivoli Business Server Manager 6.1.1 and Tivoli Netcool Service Quality Manager 4.1.4.

Note: <target directory> denotes the directory where the Tivoli Netcool Service Quality Manager and Tivoli Netcool Customer Experience Manager software is installed.

2.2.1 Install Interim Fix 0011

Note: <target directory> denotes the directory where the Tivoli Netcool Service Quality Manager software is installed.

Execute the following commands as user `saserver` on the application server:

```
$ cp ~/tnsqm_414_if11_upgrade/patch-SQM4.1.4.74-patch.tar.gz <target directory>
$ cd <target directory>/sa/admin/common/install/scripts
$ ./deploy-patch -wmc /<target directory>/sa -version SQM4.1.4.74 -mode install
Please enter the location of the Service Quality Manager patch [/appl]:
<target directory>
```

2.2.2 Check version of installed patch

Check the patch history of Tivoli Netcool Service Quality Manager by executing the following command as user `saserver` on the application or consolidated servers:

```
$ sap version
```

Output similar to the following syntax is displayed:

```
Baseline Version:
IBM SQM4.1.4.12
Current Version:
SQM4.1.4.74
Patch History:
SQM4.1.4.73
SQM4.1.4.74
```

2.3 TBSM 6.1.1 integration

Interim Fix 0011 contains updated integration components which support an integrated Tivoli Netcool Service Quality Manager Center environment linking Tivoli Business Server Manager 6.1.1 and Tivoli Netcool Service Quality Manager 4.1.4.

Please refer to the following guide for details of the integration :

IBM Tivoli Netcool Service Quality Manager Center Integration Guide for Tivoli Business Server Manager 6.1.1

Note : It is not required to install this patch directly on the TBSM server(s). The patch is installed on the TNSQM application server only. When building an integrated TNSQM environment linking TBSM 6.1.1 and TNSQM 4.1.4 according to the procedures in *Tivoli Netcool Service Quality Manager Center Integration Guide for Tivoli Business Server Manager 6.1.1*, the user is directed to copy over any required TBSM integration software components from the TNSQM application server to the TBSM 6.1.1 server(s).

To ensure correct functioning of the integration, a Tivoli Integration Portal patch update is required. Please complete the following additional steps on the TBSM dashboard server to apply this update.

Note : Execute any commands as the user that was used to install TBSM.

1. Execute the following command :

```
$ mkdir ~/tnsqm_414_if11
```

2. Transfer the following file from the TNSQM application server to ~/tnsqm_414_if11 on the TBSM dashboard server :

```
~/tnsqm_414_if11_upgrade/eventBroker.js
```

3. Execute the following steps to apply the update :

```
$ cd ~/tnsqm_414_if11
$ cp eventBroker.js
$TIP_HOME/profiles/TIPProfile/installedApps/TIPCell/isc.ear/isclite.war/secure/isc
lite/scripts/
```

4. Restart the TIP and TBSM servers :

```
$ $TBSM_HOME/bin/tbsm_suite.sh stop
$ $TBSM_HOME/bin/tbsm_suite.sh start
```

3 Removing Tivoli Netcool Service Quality Manager patch 4.1.4.74 (Interim Fix 0011)

3.1 Patch removal

Note: <target directory> denotes the directory where the Tivoli Netcool Service Quality Manager software is installed.

3.1.1 Uninstall Interim Fix 0011

As user saserver on the application or consolidated server execute the following command:

```
$ cd <target directory>/sa/admin/common/install/scripts
$ ./deploy-patch -wmcr <target directory>/sa -version SQM4.1.4.74 -mode remove
Please enter the location of the Service Quality Manager patch [/appl]:
<target directory> for example: /appl
Removing patch-SQM4.1.4.74-patch
.....
Successfully removed patch-SQM4.1.4.74-patch

$ rm <target directory>/patch-SQM4.1.4.74-patch.tar
```

3.1.2 Display patch history

To check the Tivoli Netcool Service Quality Manager patch history execute the following command as user saserver on the Tivoli Netcool Service Quality Manager Application or Consolidated server as user saserver.

```
$ sap version
```

Output similar to the following syntax is displayed.

```
Baseline Version:
IBM SQM4.1.4.12
Current Version:
SQM4.1.4.73
Patch History:
SQM4.1.4.73
```

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