



## notices

**Note:** Before using this information and the product it supports, read the information in Notices at the end of this book.

### Third Edition (June 2007)

This edition applies to version 6, release 0, modification 2 of IBM WebSphere Business Services Fabric and to all subsequent releases and modifications until otherwise indicated in new editions.

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## Preface

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### About this guide

This guide provides configuration instructions to integrate IBM WebSphere Business Services Fabric with IBM Tivoli Monitoring and Tivoli Enterprise Console applications. The instructions in this document are common for Distributed Platforms such as Microsoft Windows, Linux, and IBM AIX.

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### Audience

The document is intended for administrators and integrators who are involved in the process of deploying WebSphere Business Services Fabric with the Tivoli products. It is assumed that the reader is acquainted with the prerequisite software including IBM WebSphere Application Server, IBM DB2, IBM Rational Software Architect, and the platform on which the installation is going to be carried out.

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### Organization

This document contains one chapter, Configuration Process.

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### Related documents

You can refer to the following documentation to understand how to work with WebSphere Business Services Fabric:

- IBM Business Services Tool Pack Installation Guide
- IBM Healthcare Payor Pack Installation Guide
- IBM Insurance Property and Casualty Pack Installation Guide
- IBM WebSphere Integration Developer Documentation
- IBM WebSphere Process Server Documentation

You can refer to the following documentation to understand how to work with IBM WebSphere Business Services Fabric:

- IBM Business Services Foundation Pack User Guides
- IBM WebSphere Integration Developer documentation
- IBM WebSphere Process Server documentation



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## Introduction

IBM WebSphere Business Services Fabric 6.0.2 provides out-of-the-box integration with IBM Tivoli Monitoring Suite (ITM) and IBM Tivoli Enterprise Console (TEC) controls. After the products have been installed, they have to be configured to provide visibility about IBM Business Services Dynamic Assembler events. TEC provides visibility on all IBM Business Services Dynamic Assembler events, whereas ITM only shows the invocation events. It is assumed that the user is familiar with terminology relating to IBM WebSphere Application Server, IBM DB2 database, and IBM Rational Software Architect software.

The instructions in this document are common for Distributed Platforms such as Microsoft® Windows®, RedHat Enterprise Linux®, and IBM AIX®.

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## TEC configurations

Integration of WebSphere Business Services Fabric and TEC is facilitated by copying essential files from the CD and then making the required configurations.

### Copying essential files

Place `tecrule.xml` and `tecsce.dtd`, available on the IBM WebSphere Business Services Foundation Pack 6.0.2 CD, on the same machine where `tivoli-event-web-1.0.0.war` is installed. By default, `tivoli-event-web-1.0.0.war` will look for them in the `C:\` directory.

**Note:** If you have a Linux machine, or if you have placed the files elsewhere, then you need to edit `tivoli-event-web-1.0.0.war` to provide their paths.

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## Prerequisites

Before configuring ITM and TEC, you must have the following prerequisites in place:

- WebSphere Business Services Fabric, ITM, and TEC installed
- The Web archive (WAR) file, `tivoli-event-web-1.0.0.war` installed
- Alias “techhost” addresses mapped
- Web service and endpoint for WebSphere Business Services Fabric events

## Installing WebSphere Business Services Fabric, Tivoli Monitoring, and Tivoli Enterprise Console

This chapter assumes that you have successfully installed and configured WebSphere Business Services Fabric 6.0.2, Tivoli Monitoring 6.1, and Tivoli Enterprise Console 3.9. For details and instructions regarding installing and configuring these products, see their associated installation and configuration documentation.

### Installing `tivoli-event-web-1.0.0.war` File

The ITM and TEC integration code is contained in the `tivoli-event-web-1.0.0.war` file, which is available on the IBM WebSphere Business Services Foundation Pack 6.0 CD. Install this WAR file on IBM WebSphere Process Server before performing any Tivoli integration configurations. When you are installing

the `tivoli-event-web-1.0.0.war` file on WebSphere Process Server, you are required to specify the context root. This root is referenced in the Tivoli integration configurations.

It is recommended that you install the `tivoli-event-web-1.0.0.war` file on the same workstation where WebSphere Business Services Fabric is installed. If you install the WAR file on another machine, then you need to specify its context root wherever required.

The `tivoli-event-web-1.0.0.war` file ships with default configuration. To change the configuration, extract the WAR file, change the configuration as required, and compress the file again.

## Mapping alias “techhost” addresses

Map alias “techhost” to IP addresses of the server where TEC and ITM are installed. To do this, edit the HOSTS file that contains alias mappings to IP addresses. The HOSTS file is located at the following locations for the indicated operating systems:

- Windows: `C:\Windows\System32\Drivers\STC\HOSTS`
- Linux: `/etc/host`

## Creating an endpoint for WebSphere Business Services Fabric events

IBM Core Services Pack for WebSphere Business Services Fabric ships with the `prism-event-consumer#EventConsumerPortType` Web service — an event listener Web service to which WebSphere Business Services Fabric can send events. This Web service requires one HTTP endpoint, which must be added after installing the `tivoli-event-web-1.0.0.war` file. To add the endpoint:

1. First ensure that you import the Web service’s namespace into the WebSphere Business Services Fabric project where you will create this endpoint using the IBM Governance Manager for WebSphere Business Services Fabric Configure Projects business service.

The project must have at least one namespace of type “instance” of its own.

2. Using IBM Composition Studio for WebSphere Business Services Fabric Endpoint wizard you can add the endpoint to the Web service. See the IBM Business Services Foundation Pack user guides for details on how to perform these tasks.
3. Then, the Web service WSDL and endpoint URL are indicated below:
  - a. `prism-event-consumer.wsdl`
  - b. Endpoint URL: `http://://services/listener`

The host and port should be the same as where the `tivoli-event-web-1.0.0.war` file is installed.

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## ITM configurations

### Configuring ITM control

Integration of WebSphere Business Services Fabric and ITM is facilitated by the ITM Universal Agent (UA) component. It involves installing and modifying the `invocation.mdl` UA model file.



### To configure ITM Controls

1. Copy the ITM model file `invocation.mdl` to the machine where ITM is installed in the "`..\ITM\TMAITM6\metafiles\webify`" directory.

**Note:** Create the `webify` folder if it does not exist.

2. Modify this file to add the name of the machine where `tivoli-event-web-1.0.0.war` is installed as specified below:
  - a. Open this file in any text editor such as Notepad.
  - b. On the third line, enter the name of the machine, for example, `//SOURCE SOCK <listenermachine>` where *listenermachine* is the name of the machine where this WAR file is installed. If more than one `tivoli-event-web-1.0.0.war` installation is going to use the same ITM installation, then repeat this line for each additional machine, for example, `//SOURCE SOCK listenermachine2`.
3. From the command line, go to the folder where ITM is installed, for example, "`..\IBM\ITM\TMAIM6`."
4. Issue the command to import the model file into UA: `kumpcon import .\webify\invocation.mdl`
5. Open Tivoli Enterprise™ Monitoring Services, and recycle the Universal Agent. Right-click on **Universal Agent**, and click **Recycle**.

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**Note:** If you have a Linux machine, or if you have placed the files elsewhere, then you need to edit `tivoli-event-web-1.0.0.war` to provide their paths.



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