

Workload Scheduler
Version 8.6 Fix Pack 1

Mobile Applications User's Guide



Workload Scheduler
Version 8.6 Fix Pack 1

Mobile Applications User's Guide



Note

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

This edition applies to version 8, release 6, modification level 0 Fix Pack 1 of IBM Tivoli Workload Scheduler (program number 5698-WSH) and to all subsequent releases and modifications until otherwise indicated in new editions.

© **Copyright IBM Corporation 1999, 2012.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Contents

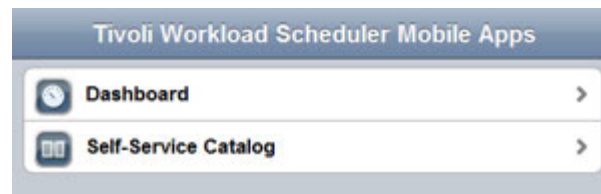
Chapter 1. Using the Dynamic Workload Console from mobile devices	1	Adding services to a catalog.	19
Chapter 2. Self-service Catalog Overview	3	Editing catalogs	19
Chapter 3. Business scenario	5	Editing services	20
The scenario	5	Chapter 8. Defining users and roles	21
Chapter 4. Accessing and exiting the Self-service Catalog	7	Chapter 9. Authorizing users to access catalogs and services	23
Chapter 5. Using Self-service Catalog with DB2 in High Availability	9	Chapter 10. Viewing the Request History.	27
Chapter 6. Submitting service requests	11	Chapter 11. Accessing the dashboard from your mobile device	31
Chapter 7. Managing catalogs and services	13	Chapter 12. Monitoring the progress of your plan.	33
Creating a new catalog	13	Index	35
Creating a new service	16		

Chapter 1. Using the Dynamic Workload Console from mobile devices

Use your mobile device to easily and quickly interact with the Dynamic Workload Console. You can monitor and run your workload from your mobile device by simply logging in to a URL and starting an app.

The IT market is moving towards mobile devices, which help you perform a large number of tasks, such as manage your sales workforce, read your e-mail, check your accounting system, or attend a web conference. Applications designed for mobile devices must be intuitive and user-friendly while remaining robust and reliable, and providing instant access to business and client data wherever they are.

You can interact with Tivoli Workload Scheduler by using the following applications:



To open this home page on your mobile device, access the following URL:

`https://host_name:port_number/ibm/TWSWebUI/mobile`

where *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

Dashboard

To monitor your workload in plan, see the job details, and send this information via e-mail. Launch the Dashboard from your mobile device by connecting to the following URL:

`https://host_name:port_number/ibm/TWSWebUI/dash.jsp`

where *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

To launch and use the Dashboard, you must have one of the following roles:

TWSWEBUIAdministrator

Users with this role can view and edit objects.

TWSWEBUIOperator

Users with this role can only view objects.

Self-Service Catalog

To submit job streams from your mobile, even if you do not have any experience with Tivoli Workload Scheduler. Launch the Self-Service Catalog from your mobile device by connecting to the following URL:

`https://host_name:port_number/ibm/TWSWebUI/sscatalog.jsp`

where *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

| To launch and use this application, you must have one of the following
| roles:

| **TWSWEBUIAnalyst**

| This is the minimum role required to access Self-Service Catalog.
| Users with this role can view catalogs and services to which they
| are authorized and submit service requests. They cannot modify
| services or catalogs.

| **TWSWEBUIAdministrator**

| Users with this role can create, edit, and delete catalogs and
| services. They can also associate roles to services and catalogs to
| authorize other users to work with them.

Chapter 2. Self-service Catalog Overview

Self-service Catalog is a solution to automate routine business tasks and run them from mobile devices without having to install and learn about the whole Tivoli Workload Scheduler product.

By using the Self-service Catalog you can use your mobile device to submit service requests to Tivoli Workload Scheduler without knowing anything about engines, jobs, or job streams.

By launching Self-service Catalog application from your iPhone, for example, you can see the available services, which basically are Tivoli Workload Scheduler job streams. You can open a catalog, view the services that it contains, and submit a service request very simply and easily from your mobile device.

Even though the Self-service Catalog has been primarily envisioned to be used from mobile device, you can efficiently use it also from your computer connected to a web browser.

To submit a job stream from your mobile, an administrator must have previously created a service by associating it to a Tivoli Workload Scheduler job stream and engine. The service is linked to a job stream that runs on a Tivoli Workload Scheduler engine. By simply launching the service, you can submit the job stream.

You define jobs and job streams using the Dynamic Workload Console to automate tasks that users perform routinely. You use the Self-service Catalog interface from your mobile device to start the job streams when needed.

To use the Self-service Catalog, you must launch it specifying a URL that contains the host name and port number of the Dynamic Workload Console instance to which you are connecting.

You can also use Self-service Catalog taking advantage of High Availability configuration so as to have multiple console instances working at the same time without reducing performance. For more information about this configuration, see Chapter 5, “Using Self-service Catalog with DB2 in High Availability,” on page 9.

Before you begin

Prerequisites

You can access the Self-service Catalog from the standard browsers on the following devices:

- Blackberry OS 6.0
- IOS-based devices versions 4 and 5
 - iPhone
 - iPod Touch
 - iPad
- Android-based devices from 2.2 to 3.1 version.

Self-service Catalog supports only Tivoli Workload Scheduler version: 8.6 or later. If you connect to a Dynamic Workload Console that uses an older Tivoli Workload Scheduler version, you receive an error message when trying to use the Self-service Catalog.

Supported Browsers

The following browser versions are supported:

- Firefox 3.6, 10 ESR
- Internet Explorer 8, 9

Chapter 3. Business scenario

A scenario showing how to take advantage from Self-service Catalog to meet your requirements.

The scenario

A large company working on the stock exchange sector plans to use Self-service Catalog to provide its employees with an easy-to-use application to run routine tasks from their mobile devices, regardless of their location.

From the Dynamic Workload Console the administrator, defines some jobs and job streams to perform operations on the stock exchange market; he defines some job streams to run on distributed engines, and other job streams to run in a z/OS environment. The administrator associates the company employees who are going to use the service to different Tivoli Integrated Portal roles, corresponding to the job streams they will run.

From the Self-service Catalog application, the administrator associates Tivoli Workload Scheduler job streams to services and creates catalogs that contain similar services.

Now, all the employees can easily use their mobile devices to perform routine operations by submitting service requests to Tivoli Workload Scheduler, even without knowing anything about engines, jobs, or job streams.

To perform operations on the stock market, the stock exchange dealers open the catalog of available services on their mobile devices and browse to the Stock Exchange catalog. The Stock Exchange catalog contains a list of operations that they can perform. For example, if a stock dealer wants to sell all the shares that have risen by more than 1.5% in the last week, he simply starts the "Sell_rising_shares" service.

Employees can see only those services for which they are authorized, based on their Tivoli Integrated Portal role.

Each service is linked to a job stream that runs on a Tivoli Workload Scheduler engine, either distributed or z/OS. This job stream contains a set of jobs that control the latest market trends and cause the selling of actions when specific financial conditions are met.

After some time, the stock exchange company has grown and is now planning to hire new financial operators, thus increasing the number of its employees. Therefore the company management must understand whether current Tivoli Workload Scheduler infrastructure can support the increased workload. To find out the exact amount of workload processed by the operators through the Self-service Catalog application, the administrator checks the Self-service Catalog Request History to collect all the required reporting information regarding the service requests submitted by all the operators and the relevant details.

Moreover, the administrator suggests that performance can be highly improved by migrating the Dynamic Workload Console accessed by the Self-service Catalog to

High Availability Configuration, so as to have multiple console instances working at the same time without reducing performance.

For more information about this configuration, see [Configuring High Availability for Dynamic Workload Console](#) in the *Tivoli Workload Scheduler Administration*

Chapter 4. Accessing and exiting the Self-service Catalog

You can use your mobile to submit service requests and monitor their outcome and details.

- To launch the Self-service Catalog from your mobile device or desktop browser, specify the following URL:

Self-service Catalog web address

`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

and enter the credentials to access the Dynamic Workload Console you are connecting to.

Note: If you are using a Blackberry device, enter a user name that does not exceed 20 characters. Longer strings are not supported in the authentication fields.

- To log out of the Self-service Catalog, from the home page, tap **User > Logout**, as shown in the following figure, and close the browser:

Home Request History Search

Time Interval

From

To

Service

Service Status

Catalog

User

Note: With Android devices, after exiting the Self-service Catalog, you must also clear the ram memory using the task manager application, otherwise the browser is not actually closed and current Self-service Catalog session remains active.

As you can see, when you tap **User** you can also see your roles and, as a consequence, actions and objects for which you are authorized. For more information about roles, see: Chapter 9, "Authorizing users to access catalogs and services," on page 23.

Chapter 5. Using Self-service Catalog with DB2 in High Availability

Using DB2 instead of a local file as your settings repository allows you to use also Self-service Catalog in High Availability Configuration.

Performance can be highly improved by migrating the Dynamic Workload Console accessed by the Self-service Catalog to High Availability Configuration, so as to have multiple console instances working at the same time as one console.

If the Self-service Catalog you are using is connected to a Dynamic Workload Console in High Availability configuration, all the user settings, including the Self-service Catalog data, are stored in a DB2 repository. If you are connected to a Dynamic Workload Console in High Availability configuration using a load balancer, when you launch the Self-service Catalog, you are not connecting to a specific Dynamic Workload Console, but to a node in the High Availability configuration. Therefore, for example, if a node fails, new user sessions are directed to other active nodes in the configuration and this change is completely transparent to users.

If the Dynamic Workload Console repository was switched to DB2 before creating any Self-service Catalog object, from the Dynamic Workload Console navigation tree, click **Tivoli Workload Scheduler > Settings > Manage Settings > Configure settings repository > Update Database** to create Self-service Catalog tables on DB2. If this is not done, an error message displays will inform you that the system cannot connect to Self-service Catalog database and that you must ensure that database connection data is correct in the Dynamic Workload Console.

For more information about how to configure the Dynamic Workload Console to use DB2 as setting repository, see: *Configuring High Availability*, in the *Mobile Applications User's Guide*.

For more information about High Availability configuration, see *Configuring High Availability in Dynamic Workload Console* in the *Tivoli Workload Scheduler Administration*.

Chapter 6. Submitting service requests

You can use your mobile to submit service requests and monitor their outcome and details.

To submit a request you must launch the Self-service Catalog using a web browser:

Self-service Catalog web address

`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.


Required role

To submit a service to an engine, you must have at least one role that is associated to the group to which the engine is shared on the Dynamic Workload Console. For example: *user1* with *role1* can submit a service on *engine1* which, on the Dynamic Workload Console, is shared to *group1*, to which *role1* is associated.

For more information, see Chapter 8, “Defining users and roles,” on page 21.

To submit service requests using the Self-service Catalog, perform the following steps:



1. Tap the Self-service Catalog section  to launch the application.
2. Tap the **Catalogs** section to display a list of available catalogs. A catalog is a container of services.
3. Tap a catalog to view the services it contains, and choose the service you want to submit.
4. In the Service Parameters page, you can, optionally:
 - a. If no priority has been assigned at service creation, now you can assign a priority to your request by tapping the **Priority** field and scrolling the list of values, where **Premium** is the highest priority and **Bronze** is the lowest priority. These values match Tivoli Workload Scheduler priority values; for example, service requests with a Premium priority are launched as soon as their dependencies are satisfied, in the same way as Tivoli Workload Scheduler jobs with **GO** priority.
 - b. Tap **Request Deadline** and specify a date before which the service must be submitted. If the job stream associated to the service does not run by the specified deadline, the service request will be run as early as possible and be marked as late.

Note: If you are using a Blackberry device, version lower than 6.0.0.526, Platform 6.6.0.195, deadline might not work as expected, because the timezone (GMT offset) is always 0 regardless of what you configure on the Blackberry device. Upgrade your Blackberry software platform, to solve this problem.

- c. Modify the variable table values, if a variable table is associated to the service.

5. Tap the **Submit** button to launch the service request. The service starts according to its priority settings and a progress bar is displayed on the home page.

Chapter 7. Managing catalogs and services

Creating, editing and deleting catalogs and services.

To manage catalogs and services, you must have the following role:

Required role

TWSWEBUIAdministrator.

To start working with the Self-service Catalog you must create some services that are associated to Tivoli Workload Scheduler job streams. You can then collect similar services into a catalog. Catalogs and services are associated to Tivoli Integrated Portal roles, so that only users having those roles can see and use them. Tap **User**, in the top right corner, to display details about your user name and roles. Complete the following steps to create and manage catalogs and services:

1. Create a new catalog, which is a collection of similar services, as described in “Creating a new catalog.”
2. Create services, which are associated to the Tivoli Workload Scheduler job streams that is run when the service is submitted, as described in “Creating a new service” on page 16.
3. Gather similar services into the same catalog to make it easier to find them, as described in “Adding services to a catalog” on page 19.
4. Optionally, at any time, you can modify the created objects. For more information about how to do it, see: “Editing catalogs” on page 19 and “Editing services” on page 20. For example, when editing a service, you can change the engine and job stream associated to it or make the service temporarily inactive to prevent users from submitting it.
5. From the Dynamic Workload Console, associate the users who are going to use the Self-service Catalog to Tivoli Integrated Portal roles to allow them to access the application.
6. From the Dynamic Workload Console, share the engines used to run the services, with the Tivoli Integrated Portal roles associated to those services, to allow these users to actually submit the services.
7. Associate catalogs and services to Tivoli Integrated Portal roles to allow only the required users to see and use them, as described in Chapter 8, “Defining users and roles,” on page 21.

Creating a new catalog

Creating new catalogs, which are containers of services.

To create a new catalog of services, you must launch the Self-service Catalog using a web browser:

Self-service Catalog web address

`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

Required role

TWSWEBUIAdministrator.

To create a new catalog and include some services in it, perform the following steps:



1. Tap the Self-service Catalog section to launch the application.
2. Tap the **Catalogs** section to display a list of available catalogs. A catalog is a container of services.
3. Tap **Toolbar** to display the editing toolbar, if it is not already shown on the screen. The editing toolbar displays at the bottom of the page.
4. Tap **Create** to display the following page:

5. Specify the new catalog information, optionally associating a description and an icon to better identify it. Mandatory fields are marked with an asterisk. Tap **Icon** to view a list of all the available icons that can characterize the catalog. If you want the catalog owner to be notified by email about the outcome of a submitted request, enter an email address in the **Owner mail address** field.
6. Save the newly-created catalog.
7. In the Catalogs page, tap **Roles** and a catalog section to open the list of Tivoli Integrated Portal roles that can be associated to this catalog:

iscusers
monitor
operator
iscadmins
administrator
suppressmonitor
chartAdministrator
chartCreator
chartViewer
TDWBAdministrator
TDWBConfigurator
TDWBOperator
TDWBDeveloper
TWSWEBUIAdministrator
TWSWEBUIConfigurator
TWSWEBUIOperator
TWSWEBUIAnalyst

Select only the roles that you want to authorize to see and use this catalog. If the new catalog is not associated to any role, by default it is only available to TWSWEBUIAdministrator.

The catalog you have is now displayed in the **Catalogs** list, but is an empty container. You can now include some services in it. For more information about how to do this, see “Adding services to a catalog” on page 19. If you want to modify some settings of the new catalog, see: “Editing catalogs” on page 19.

Creating a new service

Creating a service means associating a job stream to a service that can then be submitted from a mobile device.

To create new services, you must launch the Self-service Catalog using a web browser:

Self-service Catalog web address


`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

Required role

TWSWEBUIAdministrator.

To create a new service, perform the following steps:

1. Tap the Self-service Catalog section  to launch the application.
2. Tap the **Catalogs** section to display a list of available catalogs. A catalog is a container of services.
3. Tap a catalog's name to open it. The **Services** page opens.
4. Tap **Toolbar** to display the editing toolbar, if it is not already shown on the screen. The editing toolbar displays at the bottom of the page.
5. Click **Create** button and the following page is displayed:

6. Specify the new service information, optionally associating a description to better identify it. Mandatory fields are marked by an asterisk. Optionally, specify a priority to assign this service more or less preeminence over the others. If assigned during the service creation, priority cannot be changed by TWSWEBUIAnalyst users who submit the service.

7. Optionally, tap **Icon** to view a list of all the available icons that can characterize the service. Set **Enabled** to **No** if you want to make this service inactive so that users cannot submit it until it is enabled again.

Note: Users with TWSWEBUIAdministrator role can see and submit disabled services. Whereas, users with TWSWEBUIAnalyst role cannot see a disabled service, even if the service was associated to their role.

8. Tap **Engine** to open a list of available engines and choose the one on which the job stream that you want to associate to the new service is scheduled to run. The engine connection that you select must satisfy the following requirements:
 - On the Dynamic Workload Console, the engine must be shared with the Tivoli Integrated Portal groups to which all the users who create and submit the service belong.
 - The engine credentials must be shared on the Dynamic Workload Console, selecting the **Share credentials** check box in the Engine Connection Properties panel of the Dynamic Workload Console.
 - The connection must not be in Single-Sign On , because this configuration prevents the automatic sharing of the engine credentials.
9. To search for a specific engine, pull down the page to open the **Search** text box and enter a string contained by the engine name you are searching for
10. Tap **Job stream** to open a list of job streams defined on the selected engine and choose the job stream that you want to associate to the service. To search for a specific job stream, pull down the page to open the **Search** text box and enter a string contained by the job stream name you are searching for.
11. If you are creating a service that runs on a z/OS engine, you can also select a variable table by tapping the related label. In this way you can associate different series of key-value variables to the same service, making it more flexible and reusable.
12. Save the service.
13. In the Services page, tap **Roles** and the service name to open the list of Tivoli Integrated Portal roles that can be associated to this service. Select only the roles that you want to authorize to see and use this service:

iscusers
monitor
operator
iscadmins
administrator
suppressmonitor
chartAdministrator
chartCreator
chartViewer
TDWBAdministrator
TDWBConfigurator
TDWBOperator
TDWBDeveloper
TWSWEBUIAdministrator
TWSWEBUIConfigurator
TWSWEBUIOperator
TWSWEBUIAnalyst

If the new service is not associated to any role, by default it is only available to TWSWEBUIAdministrator.

The service you created is displayed in the **Services** page that shows all the services in the current catalog.

Adding services to a catalog

Adding services to catalogs means associating a job stream to a service and including the service in a catalog.

To add services, you must launch the Self-service Catalog using a web browser:

Self-service Catalog web address




`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

Required role

TWSWEBUIAdministrator.

A catalog is an empty container. To use it, you must include services in it. To do this, perform the following steps:

1. Tap the Self-service Catalog section  to launch the application.
2. Tap the **Catalogs** section to display a list of available catalogs. A catalog is a container of services.
3. Tap a catalog's name to open it. The **Services** page opens.
4. Tap **Toolbar** to display the editing toolbar, if it is not already shown on the screen. The editing toolbar displays at the bottom of the page.
5. Depending on whether you want to add an existing or a new service, choose one of the following options:
 - To add an existing service, tap  and select the service you want to add. All the existing services, not belonging to the current catalog, are displayed with information about the engine, job stream, and variable table (only for z/OS) associated to each service.
 - To add a new service, tap  and follow the procedure described in the service creation, in step 5 on page 16.
6. Save to exit.

The service you added is displayed in the **Services** page that shows all the services in the current catalog.

Editing catalogs

Editing the settings of existing catalogs.

To edit an existing catalog, you must launch the Self-service Catalog using a web browser:

Self-service Catalog web address



`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

Required role

TWSWEBUIAdministrator.

To edit the settings of an existing catalog, perform the following steps:

1. Tap the Self-service Catalog section  to launch the application.
2. Tap the **Catalogs** section to display a list of available catalogs. A catalog is a container of services.
3. Tap **Toolbar** to display the editing toolbar, if it is not already shown on the screen. The editing toolbar displays at the bottom of the page.
4. Tap **Edit** in the toolbar at the bottom of the page to enter the edit mode. Edit icons  display next to the objects in the page to identify that you are in edit mode.
5. Tap the catalog that you want to modify and implement your changes.
6. Save it to exit.

The catalog you modified is displayed in the **Catalogs** list.

Editing services

Editing the settings of existing services.

To edit an existing service, you must launch the Self-service Catalog using a web browser:

Self-service Catalog web address



`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

Required role

TWSWEBUIAdministrator.

To edit the settings of an existing service, perform the following steps:

1. Tap the Self-service Catalog section  to launch the application.
2. Tap the **Catalogs** section to display a list of available catalogs. A catalog is a container of services.
3. Tap the catalog that contains the service you want to edit and the list of services displays.
4. Tap **Toolbar** to display the editing toolbar, if it is not already shown on the screen. The editing toolbar displays at the bottom of the page.
5. Tap **Edit** in the toolbar at the bottom of the page to enter the edit mode. Edit icons  display next to the objects in the page to identify that you are in edit mode.
6. Tap the service you want to modify and make your changes.
7. Save it to exit.

The service you modified is displayed in the **Services** list.

Chapter 8. Defining users and roles

Define and manage users and associate them to security roles.

Access to Self-service Catalog is based on roles. Users having a specific role can access the catalogs and services assigned to that role.

To create and assign roles, log in to Tivoli Integrated Portal, expand **Users and Groups** in the Tivoli Integrated Portal navigation tree and click the entries displayed below it. For more information about creating and assigning roles, see the Tivoli Integrated Portal online help by clicking the "?" (question mark) in top-right corner of the panels.

1. From the Dynamic Workload Console, define the roles that can access the catalogs.
2. Include these roles in the groups to which the engines on which you plan to create catalogs and services are shared. Only catalogs and services defined on shared engines are available for Self-service Catalog users.
3. Ensure that the credentials of these engines are shared.
4. From the Self-service Catalog application on your mobile, associate the required roles to catalogs and services, as described in Chapter 9, "Authorizing users to access catalogs and services," on page 23.

Chapter 9. Authorizing users to access catalogs and services

Working with roles to authorize users to view or edit catalogs and services.

To authorize users to view or edit catalogs and services, you must associate them to specific roles. Launch the Self-service Catalog using a web browser:

Self-service Catalog web address

`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

Required role

TWSWEBUIAdministrator.

You can associate different roles to users to authorize them to perform different tasks. View and edit rights are based on Tivoli Integrated Portal role definition.

The following list shows the available roles, based on which you can authorize users to different actions and objects:

iscusers

monitor

operator

iscadmins

administrator

suppressmonitor

chartAdministrator

chartCreator

chartViewer

TDWBAdministrator

TDWBConfigurator

TDWBOperator

TDWBDeveloper

TWSWEBUIAdministrator

TWSWEBUIConfigurator

TWSWEBUIOperator

TWSWEBUIAnalyst

To know which are your roles, from the home page, tap **User**.

Using the following roles you can differentiate users who can only view and run service requests from users who can also create and edit them.

TWSWEBUIAnalyst




This is the minimum role required to access Self-Service Catalog. Users with this role can view catalogs and services to which they are authorized and submit service requests. They cannot modify services or catalogs.

TWSWEBUIAdministrator

Users with this role can create, edit, and delete catalogs and services. They can also associate roles to services and catalogs to authorize other users to work with them.

You can use all the other available roles to fine tune the authorization mechanism. By associating catalogs and services to required roles, you can authorize only users with at least one of those roles to see and use them. To associate users to specific roles, use the Dynamic Workload Console, as described in Chapter 8, "Defining users and roles," on page 21.

To associate a catalog or a service to a role, perform the following steps

1. Tap the Self-service Catalog section  to launch the application.
2. Tap the **Catalogs** section to display a list of available catalogs. A catalog is a container of services.
3. Depending on the object to which you want to associate a role, take either one of the following choices
 - **To associate a role to a catalog:**
 - a. Tap **Toolbar** -> **Roles**. The role icon  displays next to each object until you exit the edit role mode by tapping the **Roles** button again.
 - b. Tap the catalog that you want to associate to a role.
 - c. From the displayed list of roles, select the ones you want to associate to the selected catalog.
 - d. Save to exit and tap **Roles** again to exit the edit role mode.
 - **To associate a role to a service,**
 - a. Tap the catalog name and the Services page opens.
 - b. Tap **Toolbar** -> **Roles**. The role icon  displays next to each object until you exit the edit role mode by tapping the **Roles** button again.
 - c. From the displayed list of roles, select the ones you want to associate to the selected service.
 - d. Save to exit and tap **Roles** again to exit the edit role mode.

Only users who have at least one of the roles associated to a catalog or service can view, edit or use it.

Chapter 10. Viewing the Request History

Searching for past service requests and viewing their details.

To access the history of submitted service requests, you must launch the Self-service Catalog using a web browser:

Self-service Catalog web address



`https://host_name:port_number/ibm/TWSWebUI/mobile`

where, *host_name* and *port_number* are the host name and port number of the Dynamic Workload Console you are connecting to.

Role required

TWSWEBUIAdministrator, TWSWEBUIAnalyst.

Use the request history to view the service requests that have been submitted and their details, regardless of their outcome. This can be useful, for example, for troubleshooting or reporting reasons. Unless you have administrator rights, you can only view the requests you submitted. Administrators can view the history of all service requests. To view the request history, perform the following steps:

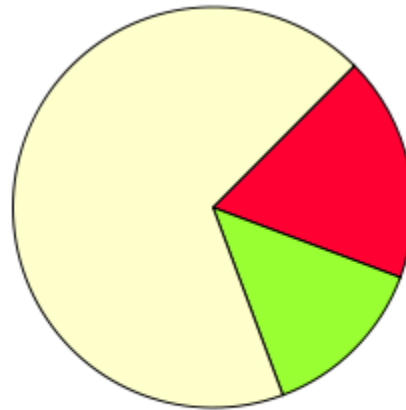
1. Tap the Self-service Catalog section  to launch the application.
2. Tap  to open the request search page.
3. Optionally, specify additional filter parameters to fine tune your search. All fields are optional. If you have administrator rights, you can filter by any or all of the following values, otherwise, you can filter by all except for user and user roles:

The screenshot shows the 'Request History' mobile application interface. At the top, there is a dark blue header bar containing a 'Home' button on the left, the title 'Request History' in the center, and a 'Search' button on the right. Below the header, the interface is organized into five distinct filter sections, each with a light gray background and rounded corners:

- Time Interval:** This section contains two rows of date pickers. The first row is labeled 'From' and the second row is labeled 'To'. Each row consists of three separate date selection fields.
- Service:** This section features a single, wide text input field for entering a service name.
- Service Status:** This section includes a dropdown menu for selecting a service status.
- Catalog:** This section contains a single, wide text input field for entering a catalog name.
- User:** This section contains a single, wide text input field for entering a user name.

To start filtering, enter a string in a field or tap it to display the list of possible values, where available. For example, by tapping **User Roles**, you display the page listing all the available roles (multiple selection is allowed). Swipe the page if you want to clear it removing the entered values.

4. Tap **Search** to start the search. The Search Result page displays the list of all the service requests satisfying your search filtering criteria.
5. Optionally, tap **Graph** to display a pie chart view of the search results, such as:



■ Failed ■ Success ■ Progress

6. For more information about the details of a specific service request, tap one of the results. Priority and date information is displayed by default. Optionally, slide the switch to display further details, such as the engine, job stream, and scheduling ID associated to the service.

Chapter 11. Accessing the dashboard from your mobile device

Use your mobile device to monitor your jobs by accessing the dashboard and navigating to job details and log.

The following prerequisites must be satisfied:

- At least 256 MB RAM must be available.
- The engine connection must be configured to be shown in the dashboard.

You can access the dashboard from the standard browsers on the following devices:

- Blackberry OS 5.0
- IOS based devices
 - iPhone
 - iPod Touch
 - iPad
- Android-based devices version 2.2

You can use your mobile device to open the dashboard, see the jobs in plan, click them to view their details and job log, and also send this information using email.

1. Connect to this URL using your mobile device: `https://host_name:port_number/ibm/TWSWebUI/dash.jsp`
2. Log in using your Tivoli Integrated Portal credentials.
3. Select the engine that you want to see in the dashboard.
4. Scroll down to view the job statuses.
5. Touch the status of a job and scroll down to view more details about that job, such as the name of its job stream, workstation, and scheduled time.
6. *Optionally*, use the search box to search for a specific job.
7. Click **Back** to return to the list of engines and select a different engine.

From your mobile device, you can see a graphical view that shows the progress of the current plan on the engines for which you have configured a connection and specified the option to show the engine in the dashboard.

Optionally, you can scroll down the job details to view the job log, when available, and send the job log using email to someone.

In the job log, you can also filter for specific strings to display.

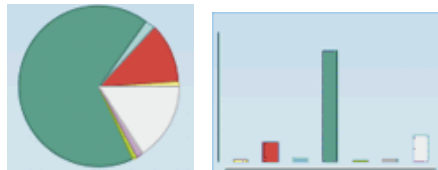
Chapter 12. Monitoring the progress of your plan

Request a graphical view of the progress of the current plan.

You can request a graphical view that shows the progress of the current plan on the engines for which you have configured a connection and specified the option to show the engine in the dashboard. To request this graphical view, click **Dashboard** from the portfolio. The panel opens showing a chart for each engine for which you configured a connection and specified the option to show the engine in the dashboard.

To customize the dashboard refresh time interval for all the engines, open **Settings > Manage User Preferences** in the portfolio. In the lower part of this panel you can find a section to customize this interval.

Job status



The initial view is a pie chart, but optionally you can switch to the bar chart by clicking the icon in the toolbar below it. The pie is divided into slices of different colors that indicate, in the same way as the bars of the bar chart, the current status of jobs in the plan. Below the chart, a legend identifies the status that is mapped to each color and indicates the number of jobs in the plan that currently have that status. For more details about possible statuses and their meaning depending on the operating system, see the following sections in the *Dynamic Workload Console User's Guide*:

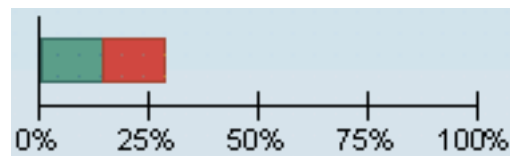
Distributed

Status description and mapping for distributed jobs

z/OS

Status description and mapping for z/OS job streams

Plan progress bar chart





The progress bar displayed in this section shows the progress of your plan. Successful jobs are represented by the green progress bar.

The progress bar view includes a subset of the job statuses included in the pie chart view. The following statuses are included:

- Successful
- Error

You can work with each pane in the following ways:


Change chart view

To switch between the pie chart and the bar chart view, click the graphic icons in the toolbar below the graphic: , .




View details about the jobs that have a particular status

Click the hyperlinks to run a query to show details about the jobs with the selected status. The results of the query are displayed in a separate tab of Dynamic Workload Console. With engines version 8.6 and later, in case of rerun jobs, only the last rerun job instance is displayed in the query results.

View details about critical jobs

Critical jobs can be displayed only on engines on which the critical path feature is available and enabled. Click the critical job icon  to view the section that displays the risk level of critical jobs on each engine. Click the hyperlinks to run a query on all the critical jobs with that risk level, running on that engine. The results of the query are displayed in a separate tab of Dynamic Workload Console

Critical jobs can have one of the following risk levels:

-  **High Risk.** Critical jobs with high risk of missing their deadline. Their estimated end time is later than their deadline. This is probably because some predecessors have missed their deadline.
-  **No Risk.** Critical jobs with no risk of missing their deadline. Their estimated end time is before their deadline. No action has to be taken.
-  **Potential Risk.** Critical jobs with potential risk of missing their deadline. This is probably because some predecessors are late or are having a long duration process.

Index

A

- access
 - to catalogs 23
- add
 - service to catalog 19
- authorize
 - users 21

C

- catalog
 - add role 13
 - add service 19
 - authorize users 23
 - change 19
 - create 13
 - define 13
 - edit 19
- configuring
 - high availability 9
- create
 - catalog 13
 - service request 16

D

- dashboard
 - access from mobile 31
 - overview 31
 - prerequisites 31
 - supported browsers 31

E

- edit
 - catalog 19
 - service 20
- exit
 - self-service catalog 7

H

- high availability
 - db2 9
- history
 - service requests 27

I

- include
 - service in catalog 19

J

- job
 - status 33

L

- launch
 - self-service catalog 7

M

- mobile
 - used to monitor jobs 31
- modify
 - catalog 19
 - service 20
- monitoring
 - jobs from mobile 31
 - plan 33

N

- new
 - catalog 13
 - service request 16
 - service to catalog 19

P

- past
 - service requests 27
- plan
 - monitoring 33
 - progress 33

R

- request 11
 - create 16
 - history 27
- role
 - add users 21
 - associate user 23
 - catalog 13
 - catalogs and services 23
 - service 16

S

- self-service catalog
 - business scenario 5
 - high availability 9
 - login 7
 - logout 7
 - overview 3
 - prerequisites 3
 - supported browsers 3
- service
 - add role 16
 - add to catalog 19
 - authorize users 23
 - change 20
 - create 16

- service (*continued*)
 - edit 20
 - request 11
 - request history 27
 - submit 11
 - submit request 11
- submits 11
- supported browsers
 - dashboard 31
 - self-service catalog 3
- supported mobile devices 3, 31

U

- user
 - associate roles 23
 - define 21

V

- view
 - request history 27



Product Number: 5698-WSH

Printed in USA

Spine information:

IBM Tivoli Workload Scheduler **Version 8.6 Fix Pack 1**

Mobile Applications User's Guide

