IBM

IBM Workload Automation

Mobile Applications User's Guide

IBM Workload Automation

Version 10.1 Fix Pack 6

Note

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

This edition applies to version 10, release 1, modification level 0 of IBM Workload Automation (program number 5698-T09) and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

Running IBM Workload Scheduler from a mobile device

Use your mobile device to easily and quickly interact with your IBM Workload Scheduler environment.

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 email, 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 IBM Workload Scheduler by using the Self-Service Catalog and Self-Service Dashboards applications.

Note: To use an engine connection from a mobile device, you must enable the checkbox in the Engine Connection Properties page, and configure the Dynamic Workload Console to use the Single Sign-On. For more information, see the section about configuring the Dynamic Workload Console to use Single Sign-On in the *Administration Guide*.

Self-Service Catalog

The scheduler or application designer creates job streams in the Dynamic Workload Console and marks them as services, so that they are available for managing from the Self-Service Catalog interface. Services correspond to IBM Workload Scheduler job streams, which you can submit from your mobile, even if you do not have any experience with IBM Workload Scheduler.

Launch the Self-Service Catalog from your mobile device by connecting to the following URL:

```
https://host_name:port_number/console/ssc
```

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

Mobile User is the minimum role required to access Self-Service Catalog. Users with this role can view services to which they are authorized and submit service requests. Associate at least one entity to this role to allow other roles access to the Self-Service Catalog.

Self-Service Dashboards

By defining filter criteria to be applied to your jobs and workstations, you can view dashboards and drill down to more detailed information about the jobs and workstations that match the criteria. You can also perform recovery actions on the jobs and workstations.

Launch the Self-Service Dashboards app from your mobile device by connecting to the following URL:

```
https://host_name:port_number/dwc/addOns/devices/ssmanagement/ssmanagement.jsp
```

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

Mobile User is the minimum role required to access Self-Service Catalog. Users with this role can view services to which they are authorized and submit service requests. Associate at least one entity to this role to allow other roles access to the Self-Service Catalog.

You can open the applications also from the Single Entry Point page. For more information, see IBM Workload Scheduler user interfaces.

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

```
https://host_name:port_number/dwc/mobile.jsp
```

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

You can also open the applications from the welcome page of the Dynamic Workload Console.

For more information, see the section about product user interfaces in *IBM Workload Automation: Overview*.

Note: If you are using a Dynamic Workload Console at the latest fix pack level connected to a back-level master domain manager, you must access the previous version of the Self-Service Catalog.

Part I. Self-Service Catalog

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 IBM® Workload Scheduler product.

Chapter 1. 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 IBM Workload Scheduler product.

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

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

The application developer or scheduler defines jobs and job streams using the Dynamic Workload Console to automate tasks that Self-Service Catalog users perform routinely. Then, users can log in to the Self-Service Catalog interface to start the services when needed.

A service is linked to a job stream that runs on a IBM Workload Scheduler engine. By simply launching the service, you can submit the job stream.

To use the Self-Service Catalog, you must enable the checkbox in the Engine Connection Properties page, and configure the Dynamic Workload Console to use the Single Sign-On. Then, you can launch the Self-Service Catalog specifying a URL that contains the host name and port number of the Dynamic Workload Console instance to which you are connecting. .

For more information about configuring the Dynamic Workload Console to use Single Sign-On, see the section about configuring the Dynamic Workload Console for Single Sign-On in *Administration Guide*.

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 configuring High Availability, see the Configuring High Availability section in the *Dynamic Workload Console User's Guide*.

Before you begin

See the Dynamic Workload Console Detailed System Requirements document for the most up-to-date information about supported versions for devices, supported browsers, and operating systems.

Chapter 2. Business scenario

A Business scenario showing how to take advantage of the Self-Service Catalog to meet your requirements.

The scenario

A large company working in 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. By using the IBM Workload Scheduler security, the administrator can defines rules that enable the company employees to use the service. For more information about security configuration, see the Configuring user authorization (Security file) section in the *Administration Guide*.

From the Self-Service Catalog application, the administrator associates IBM Workload Scheduler job streams to services and creates tags that contain similar services.

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

Part II. Self-Service Dashboards

With the Self-Service Dashboards app, you can use your mobile device to define one or more dashboards to monitor subsets of jobs and workstations.

Chapter 3. Self-Service Dashboards Overview

With the Self-Service Dashboards app, you can use your mobile device to define one or more dashboards to monitor subsets of jobs and workstations.

Self-Service Dashboards is a solution to monitor business tasks right from the mobile user's device, without having to install the full product or when you do not have access to the full product. It also enables some mobile users to perform simple business tasks without the necessity of learning about the complexity of the full product.

The dashboards give an overall picture of your jobs and workstations and allow you to drill down and view more detailed information about jobs, such as critical jobs, risk levels, late jobs, job logs, and other job details, and workstations and their availability. You can also perform some recovery actions on jobs and workstations.

Although the Self-Service Dashboards app is to be used primarily from a mobile device, you can also use it from your computer connected to a web browser.

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

If the Dynamic Workload Console instance to which you are connecting is configured for single sign-on, then a user can log in once on the Dynamic Workload Console and then gain access to the Self-Service Dashboards app without being prompted to log in again. Single sign-on is supported starting with IBM® Workload Scheduler version 9.2. For more information about configuring the Dynamic Workload Console to use Single Sign-On, see the *Administration Guide*

For more information about configuring the Dynamic Workload Console to use Single Sign-On, see the *Administration Guide*

You can also use Self-Service Dashboards taking advantage of High Availability configuration so as to have multiple console instances working at the same time without reducing performance.

Prerequisites

See the Dynamic Workload Console Detailed System Requirements document for the most up-to-date information about supported versions for devices, supported browsers, and operating systems.

Chapter 4. Accessing and exiting Self-Service Dashboards

You can use your mobile device to define and monitor dashboards containing the results of queries on jobs and workstations in your IBM Workload Scheduler environment.

About this task

You can use your mobile device to open the dashboard and monitor jobs and workstations. Click them to view their details, and send this information using email. For jobs, a link to download the job log is also included in the email.

- To launch the Self-Service Dashboards app from your mobile device or desktop browser, specify the following URL:

  Self-Service Dashboards web address

  ```
  https://host_name:port_number/dwc/mobile
  ```

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

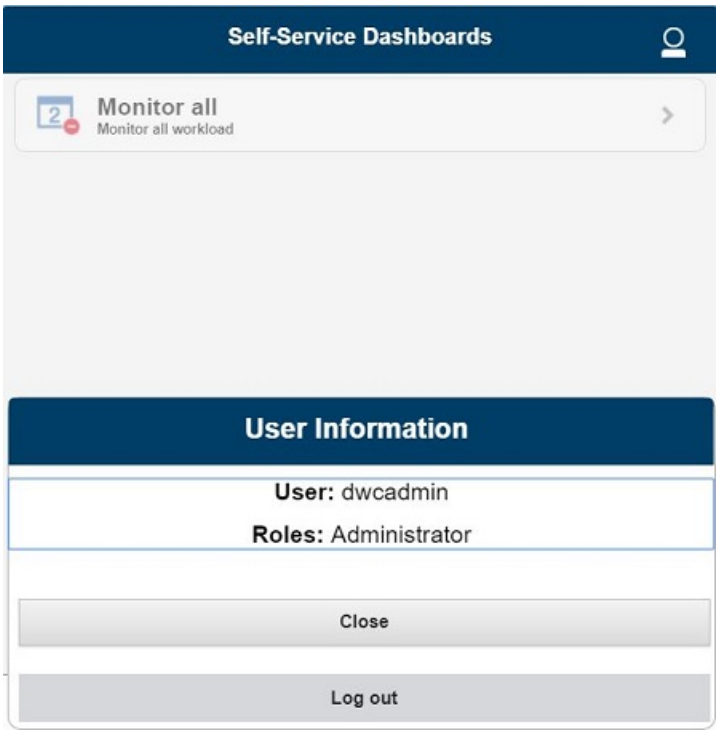
  Enter the credentials to access the Dynamic Workload Console to which you are connecting.

  You can launch the Self-Service Dashboards also from the Single Entry Point page. For details refer to the topic about the product user interfaces in the *User's Guide and Reference*.

- The first time you log into the Self-Service Dashboards you will see the **Monitor all** screen.

  Note: In the **Monitor all** screen you cannot edit the dashboard name or the description but you can perform all the other actions.

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



Note: With Android devices, after exiting the Self-Service Dashboards, you must also clear the ram memory using the task manager application, otherwise the browser is not actually closed and current Self-Service Dashboards 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: Authorizing users to access dashboards on page 14.

Chapter 5. Administrative tasks

Administrative tasks required to work with the Self-Service Dashboards app.

Administrative tasks are those activities required to enable users to create and work with Self-Service Dashboards. Access to the Self-Service Dashboards app is based on roles. Administrators create dashboards for mobile users and associate roles to the dashboards. Users can create, view, and work with the dashboards based on the role assigned to them.

In addition to assigning roles to users, administrators might also choose to implement a high availability configuration. A high availability configuration enables multiple instances to work at the same time without affecting performance. For more information see the section Configuring High Availability in the *Dynamic Workload Console User's Guide*.

Administrators can also configure the Dynamic Workload Console to use single-sign on. This configuration implies that a user can log in once on the Dynamic Workload Console and then gain access to the Self-Service Dashboards app without being prompted to log in again.

To access audit logging information about the operations performed from the Self-Service Dashboards application, Administrators can configure logging information in the Dynamic Workload Console global settings file.

See the information about auditing mobile app activity in the section about customizing your global settings in the *Dynamic Workload Console User's Guide*.

For more information about customizing user interface labels on the Self-Service Dashboards, see "Personalizing UI labels" in the *Administration Guide*.

Defining users and roles

Define and manage users and associate them to security roles.

About this task

Access to Self-Service Dashboards is based on roles and entities. Users associated to entities having a specific role, can access the services assigned to that role.

1. open the `authentication_config.xml` located in `/<INST_DIR>/DWC_DATA/usr/servers/dwcServer/configDropins/overrides`
2. Add the new entity specifying username and password in users or groups.
3. From the Dynamic Workload Console open **> Administration > Manage Roles**.
4. Add the entity created for the role **Mobile Roles**.
5. From the Self-Service Dashboards application on your mobile, associate the required roles to services, as described in Authorizing users to access dashboards on page 14.

Authorizing users to access dashboards

Work with roles to authorize users to view or edit dashboards.

Before you begin

Associate roles to dashboards to make them available to users. Users with the roles corresponding to those assigned to the dashboard are able to work with the dashboard as defined by the individual role. Launch the Self-Service Dashboards app using a web browser:

Self-Service Dashboards web address

```
https://host_name:port_number/dwc/mobile
```

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

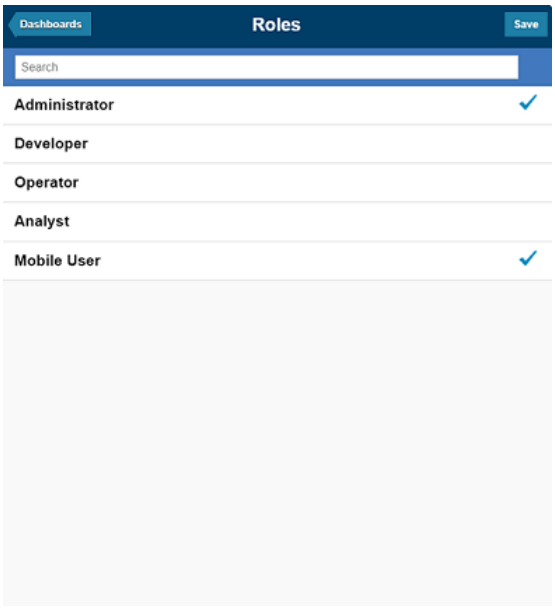
Required role

Administrator, Mobile User

About this task

You can associate different roles to users to authorize them to perform different tasks. View and edit rights are based on Dashboard Application Services Hub role definition.

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



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

Using the following roles you can differentiate between users who can only view dashboards and users who can also create and edit them.

Self-Service Dashboards

By defining filter criteria to be applied to your jobs and workstations, you can view dashboards and drill down to more detailed information about the jobs and workstations that match the criteria. You can also perform recovery actions on the jobs and workstations.

Launch the Self-Service Dashboards app from your mobile device by connecting to the following URL:

```
https://host_name:port_number/dwc/addOns/devices/ssmanagement/ssmanagement.jsp
```

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

Mobile User is the minimum role required to access Self-Service Catalog. Users with this role can view services to which they are authorized and submit service requests. Associate at least one entity to this role to allow other roles access to the Self-Service Catalog.

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 Defining users and roles on page 14.

Roles can be associated to dashboards in read-only mode. Users that are assigned roles in the read-only mode will have access to share a dashboard with other users in the read-only mode. These users can view the dashboard, drill down to subsets of the jobs and workstations but cannot perform recovery actions on these jobs or workstations.

To associate a dashboard to a role, perform the following steps:

1. Tap the Self-Service Dashboards section to launch the application.
2. Tap **Roles**. The role icon  displays next to each object until you exit the edit role mode by tapping the **Roles** button again.
3. Tap the dashboard for which you want to associate a role.
4. From the displayed list of roles, select the ones you want to associate to the selected service. Double tab the role icon if you want to assign in read-only mode.
5. Save to exit and tap **Roles** again to exit the edit role mode.

Results

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

Managing dashboards

Creating, editing and deleting dashboards.

Before you begin

To manage dashboards, you must have the following role:

Required role

Administrator, Mobile User

About this task

To start working with Self-Service Dashboards, you can define dashboards that are associated to IBM Workload Scheduler jobs or workstations, or use dashboards created by other users to which you have been given access. Dashboards, in the

context of the Self-Service Dashboards app, correspond to filters that query on jobs and workstations that you want to monitor, to produce a list of results in a dashboard that can be further filtered to display more details.

Dashboards are associated to 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 dashboards:

1. Create dashboards, which are associated to the IBM Workload Scheduler jobs or workstations, as described in Defining a new dashboard on page 19.
2. Optionally, at any time, you can modify the created dashboards. For example, when editing a dashboards, you can change the engine and job or workstation associated to it.
3. From the Dynamic Workload Console, associate the users who are going to use Self-Service Dashboards to roles to allow them to access the application.
4. To access and display information about the current plan associated with an engine in Self-Service Dashboards UI, ensure you have selected the **Show in dashboard** check box in the Engine Connection Properties in the Manage Engines portlet on the Dynamic Workload Console.
5. From the Manage Engines page on the Dynamic Workload Console, share the engines used to run the dashboards, with the roles associated to those dashboards, to allow these users to actually view the dashboards.
6. Associate dashboards to roles to allow only the required users to see and use them, as described in Defining users and roles on page 14.

Personalizing UI labels

IBM® Workload Scheduler provides the capability to customize user interface labels.

Before you begin

You might find this feature useful for your business users so that the tasks they perform are in the context of your line of business. You can personalize the UI labels for the following UIs:

- Self-Service Dashboards
- Self-Service Catalog and mobile applications

About this task

The properties file, `whitelabelling.properties`, from which you can modify UI labels must be created manually in a sub-folder named, `Labels`, which you must also create manually in the following path: `<DWC_DATA>usr/servers/registry` directory.

1. Create a new sub-directory named `Labels` in the following path:

   On Windows:

   ```
   C:\Program Files\IBM\<DWC_DATA>/usr/servers/dwcserver/registry
   ```

   On UNIX:

   ```
   //<DWC_DATA>/usr/servers/dwcservers/registry
   ```

2. Create a text file named `whitelabelling.properties` in the sub-directory named `Labels`.

3. Add the following parameters to the `whitelabelling.properties` file and assign a value to the labels you want to modify.

```
mobile.title=<value>
  ssc.title=<value>
  ssd.title=<value>
```

   where <*value*> corresponds to the following labels:

   Self-Service Catalog and Self-Service Dashboards

   Replace <*value*> with the text to replace the current label:

   - **mobile.title**= <*value*> If defined, this label will appear instead of "IBM Workload Scheduler Mobile Apps"
   - **ssc.title**=<*value*> If defined, this label replaces "Self-Service Catalog"
   - **ssd.title**=<*value*> If defined, this label replaces "Self-Service Dashboards"

4. Save your changes.

Chapter 6. Mobile user tasks

Mobile users can use their mobile devices to connect to the Self-Service Dashboards app and monitor jobs and workstations in an IBM Workload Scheduler environment.Mobile users can use their mobile devices to connect to the Self-Service Dashboards app and monitor jobs and workstations in a Workload Automation on Cloud environment.

The Self-Service Dashboards app, enables you to use your mobile device to perform one or more of the following tasks:

- Define one or more dashboards filtering on subsets of jobs and workstations.
- From the dashboard, drill down and view more detailed information about jobs and workstations.
- View details and the job log for individual jobs.
- View the availability of workstations and other details about the workstation.
- Perform some recovery actions on jobs and workstations.

Defining a new dashboard

Defining a new dashboard means defining filter criteria for a subset of jobs, workstations, or both, in your environment, that you want to monitor from a mobile device or computer connected to a web browser. The filtered results are displayed in a dashboard from which you can drill down and continue to filter to retrieve more targeted results.

Before you begin

To define new dashboards, launch the Self-Service Dashboards app using a web browser:

Self-Service Dashboards web address

```
https://host_name:port_number/dwc/mobile
```

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

Required role

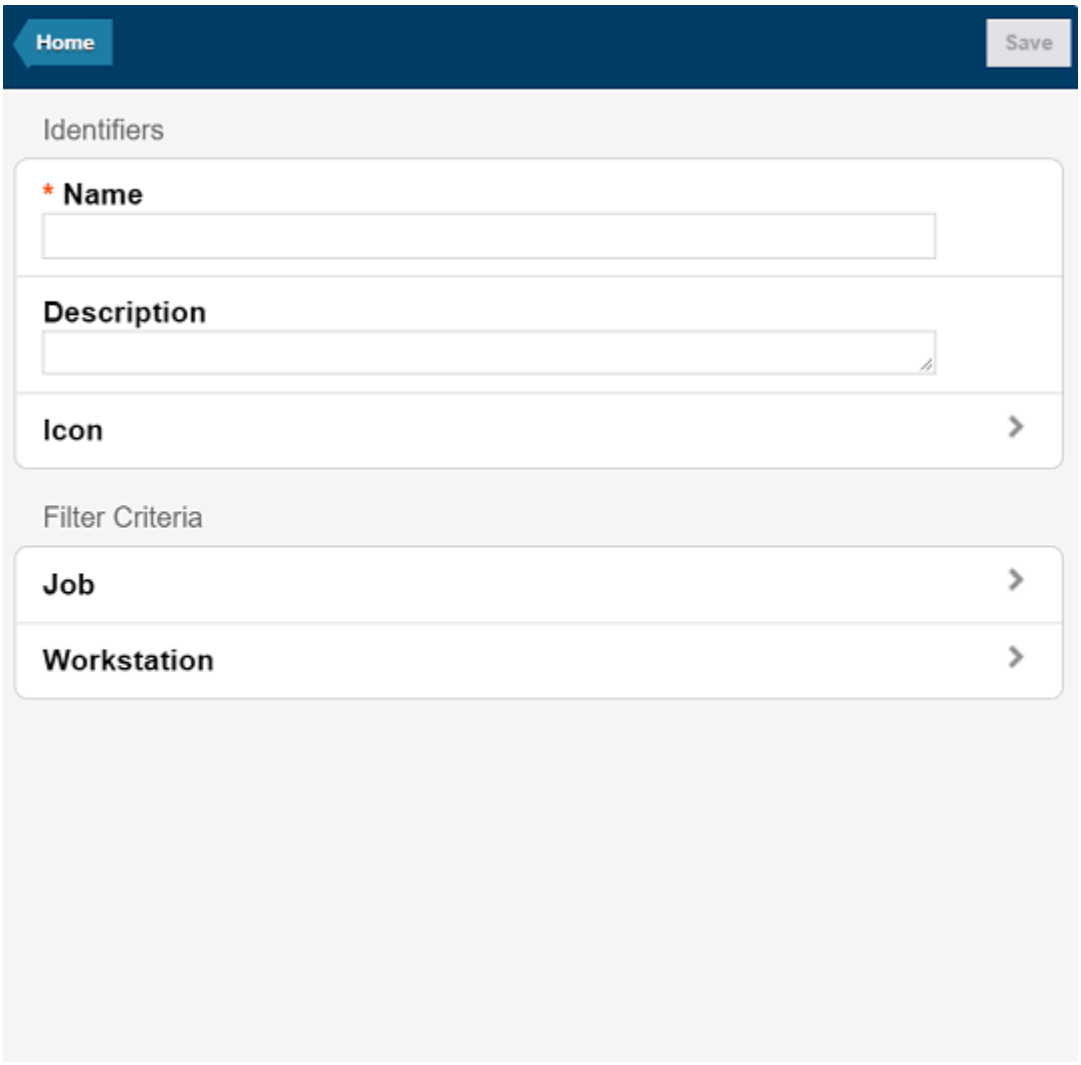
Administrator, Mobile User

Note: If you define a dashboard to monitor jobs, workstations, or both on z/OS engines, you cannot define filter criteria. You can create a single dashboard that monitors all workstations and all jobs for the specified engines.

About this task

To define a new dashboard, perform the following steps:

1. Tap the Self-Service Dashboards section to launch the application.
2. Tap **Create** to begin defining the new dashboard.
3. Specify information about the dashboard, optionally associating a description to better identify it. Mandatory fields are marked by an asterisk.
4. Optionally, tap **Icon** and select an icon that you can associate to the dashboard from the list of available icons.



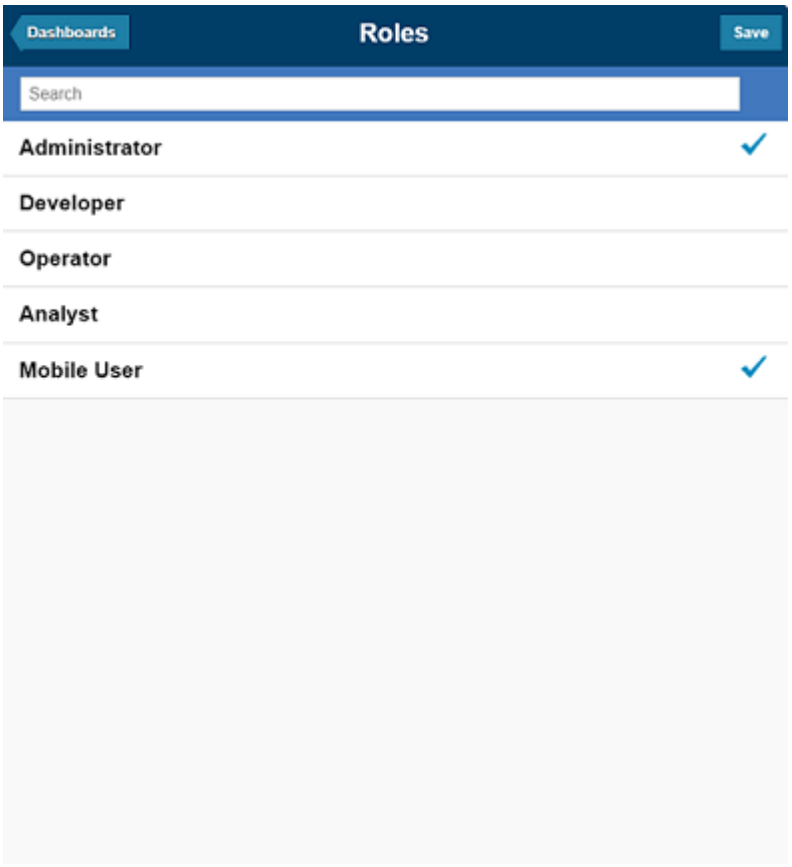
5. In **Filter Criteria**, define the criteria to be applied to jobs and workstations.

    a. Tap **Job** to specify filter criteria that determines the subsets of jobs in your environment to be displayed in your dashboard. The filter criteria includes one or more of the following: engine (if more than one engine is available), job stream name, workstation name where the job stream runs, job name, and workstation where the job runs. Add additional criteria such as, multiple engines, by clicking **Add Filter**.
    When you are finished specifying the filter criteria, tap **Back**.

    b. Tap **Workstation** to specify filter criteria that determines the subsets of workstations in your environment to be displayed in your dashboard. The filter criteria includes one or more of the following: engine (if more than one engine is available), and workstation name. Add additional criteria such as, multiple engines, by clicking **Add Filter**. The dashboard results are an aggregation of all filter criteria.
    When you are finished specifying the filter criteria, tap **Back**.

6. Save the dashboard.

7. On the Self-Service Dashboards page, tap **Roles** and the dashboard name to open the list of roles that can be associated to this dashboard. Select only the roles that you want to authorize to see and use this dashboard:



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

Results

The dashboard you created is displayed in the Self-Service Dashboards page that shows all the dashboards to which you have access.

What to do next

You can now tap the dashboard to display the results that correspond to the filter criteria defined in the dashboard for the engine connections you specified.

Create a dashboard to monitor jobs

Self-Service Dashboards are queries that you can create to display subsets of your jobs and workstations that you want to monitor.

Before you begin

To define new dashboards, launch the Self-Service Dashboards app using a web browser:

Self-Service Dashboards web address

```
https://host_name:port_number/dwc/mobile
```

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

Required role

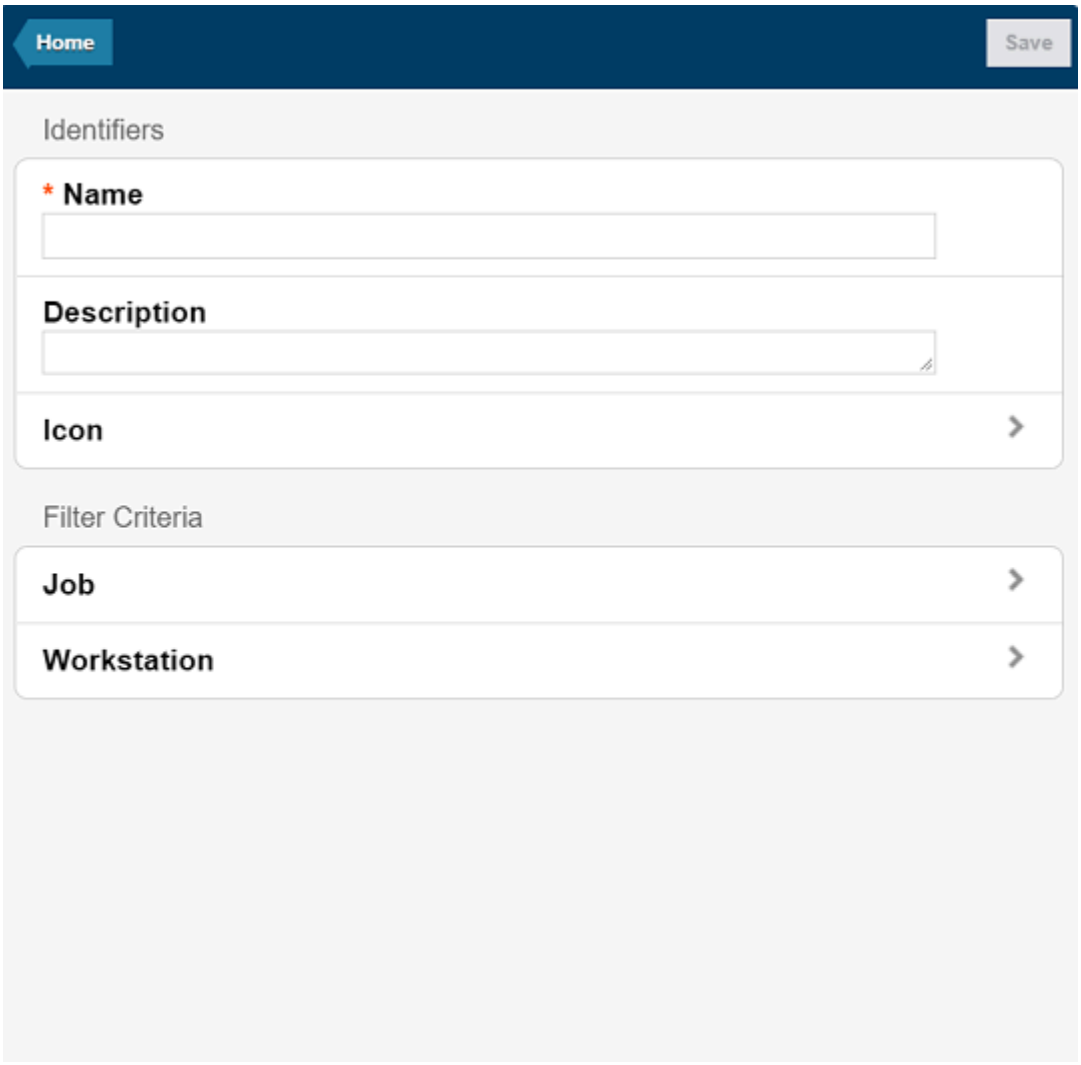
Administrator, Mobile User

Note: If you define a dashboard to monitor jobs, workstations, or both on z/OS engines, you cannot define filter criteria. You can create a single dashboard that monitors all workstations and all jobs for the specified engines.

About this task

The following dashboard is used to monitor all jobs that are responsible for running reports with a job name that contains the word "Report", which runs on workstations belonging to both the Finance and Marketing departments, where the workstation names begin with either "Fin" or "Mktg".

1. Tap the Self-Service Dashboards section to launch the application.
2. Tap **Create** to begin defining your dashboard.
3. Specify a name, and optionally, specify a description to better identify it.
4. Optionally, tap **Icon** and select an icon that you can associate to the dashboard from the list of available icons.



5. In **Filter Criteria**, tap **Job** to specify filter criteria that determines the subsets of jobs in your environment to be displayed in your dashboard.
    a. In **Engine**, select the engine connection associated to the jobs you want to monitor. You can select a single engine or all engines. The all engines option works for only distributed engines and not for z/OS engines.
    b. In **Job**, type `Report*` to specify a filter to include all jobs beginning with "Rep" to be included in your dashboard.
    c. In **Workstation (Job)**, type `Fin*` to specify a filter to include all workstations where the job runs, beginning with "Fin" to be included in your dashboard.
    d. Click **Add Filter** to add an additional filter on the workstation name. In **Workstation (Job)**, type `Mktg*` to specify a filter to include all workstations beginning with "Mktg" to be included in your dashboard.
6. Click **Back** and save the dashboard.
7. On the Self-Service Dashboards page, tap **Roles** and then the dashboard to open the list of roles that can be associated to this dashboard. Select only the roles that you want to authorize to see and use this dashboard. If the new dashboard is not associated to any role, by default it is only available to users with the Administrator role.

Results

The dashboard you created is displayed in the Self-Service Dashboards page that shows all the dashboards to which you have access.

What to do next

You can now tap the dashboard for which you want to display a dashboard of results that correspond to the filter criteria defined in the dashboard for the engine connection you specified. See Viewing dashboard results on page 26 for information about displaying the dashboard of results. See Monitoring job status and details on page 27 for information about how use the list of results in the dashboard to view more detailed information.

Create a dashboard to monitor workstations

Self-Service Dashboards are queries that you can create to display subsets of your jobs and workstations that you want to monitor in a graphical dashboard view.

Before you begin

To define new dashboards, launch the Self-Service Dashboards app using a web browser:

Self-Service Dashboards web address

```
https://host_name:port_number/dwc/mobile
```

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

Required role

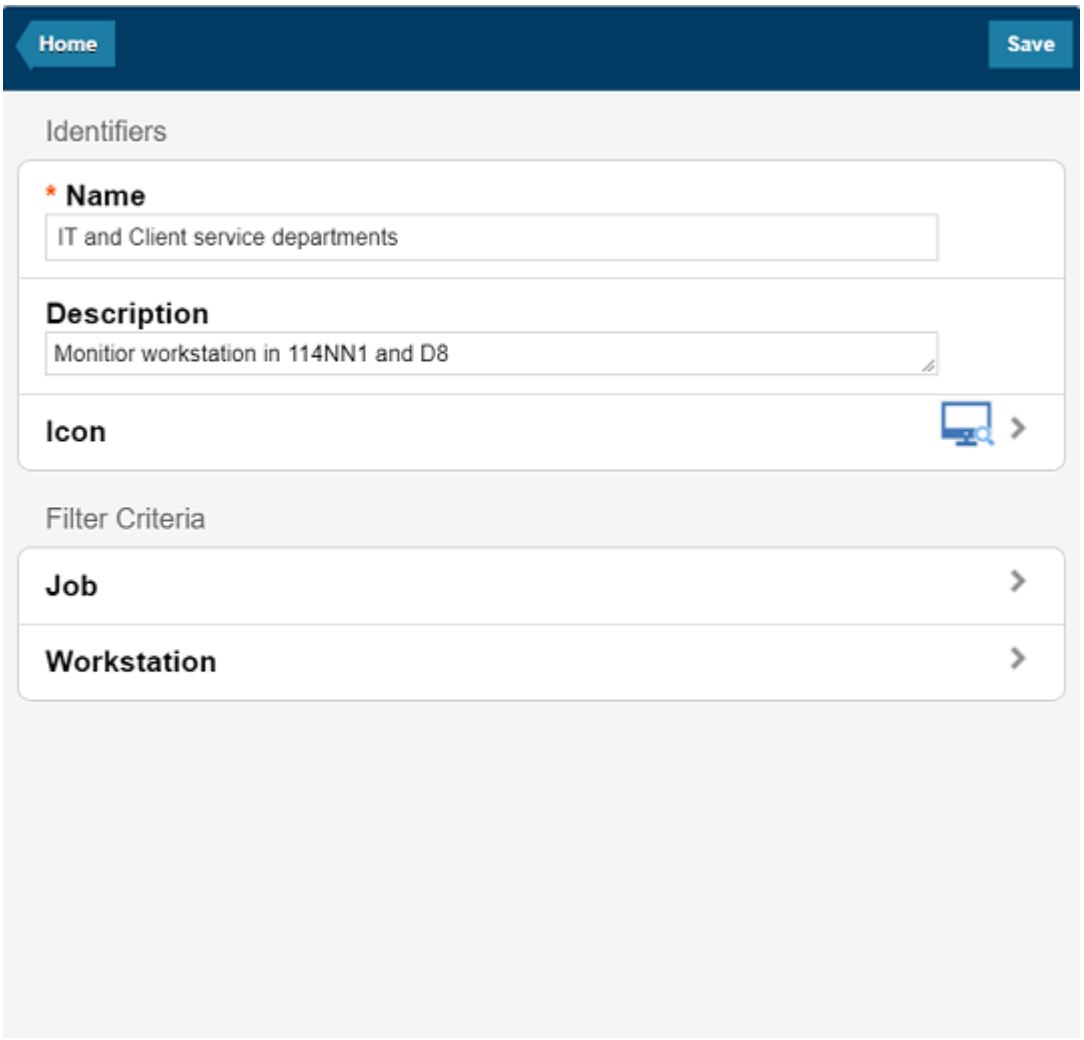
Administrator, Mobile User

Note: If you define a dashboard to monitor jobs, workstations, or both on z/OS engines, you cannot define filter criteria. You can create a single dashboard that monitors all workstations and all jobs for the specified engines.

About this task

The following dashboard is used to monitor all workstations that belong to both the IT and Client Services departments that are identified by departmental codes, IT777 and CS333, at the beginning of the workstation name.

1. Tap the Self-Service Dashboards section to launch the application.
2. Tap **Create** to begin defining the dashboard.
3. Specify a name, and optionally, specify a description to better identify it.
4. Optionally, tap **Icon** and select an icon that you want to associate to the dashboard from the list of available icons.



5. In **Filter Criteria**, tap **Workstation** to specify filter criteria that determines the subsets of workstations in your environment to be displayed in your dashboard.

    a. In **Engine**, select the engine connection associated to the workstations you want to monitor.

    b. In **Workstation**, type `IT777*` to specify a filter to include all workstations belonging to the IT department to be included in your dashboard.

    Note: For z/OS engines, you cannot define filter criteria for the workstation name. All workstations for the specified engine are considered.

    c. Click **Add Filter** to add an additional filter on the workstation name. In **Workstation**, type `CS333*` to specify a filter to include all workstations in the Client Services department to be included in your dashboard.

6. Click **Back** and save the dashboard.
7. On the Self-Service Dashboards page, tap **Roles** and then the dashboard name to open the list of roles that can be associated to this dashboard. Select only the roles that you want to authorize to see and use this dashboard. If the new dashboard is not associated to any role, by default it is only available to users with the Administrator role.

Results

The dashboard that you created is displayed in theSelf-Service Dashboards page that shows all the dashboards to which you have access.

What to do next

You can now tap the dashboard for which you want to display a graphical dashboard of results corresponding to the filter criteria defined in the dashboard for the engine connection you specified. For information about displaying the dashboard of results, see Viewing dashboard results on page 26. For information about how to use the list of results in the dashboard to view more detailed information, see Monitoring job status and details on page 27.

Viewing dashboard results

You can use your mobile device to display a dashboard of results. The results can be filtered further to monitor more targeted results, view details about the results, and perform recovery actions.

Before you begin

To run the query defined for a dashboard and display the results in a graphical dashboard view, you must launch the Self-Service Dashboards app using a web browser:

Self-Service Dashboards web address

```
https://host_name:port_number/dwc/mobile
```

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

Required role

To run the query defined for a dashboard on the engine specified, 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 view dashboard results for *engine1* which, on the Dynamic Workload Console, is shared to *group1*, to which *role1* is associated.

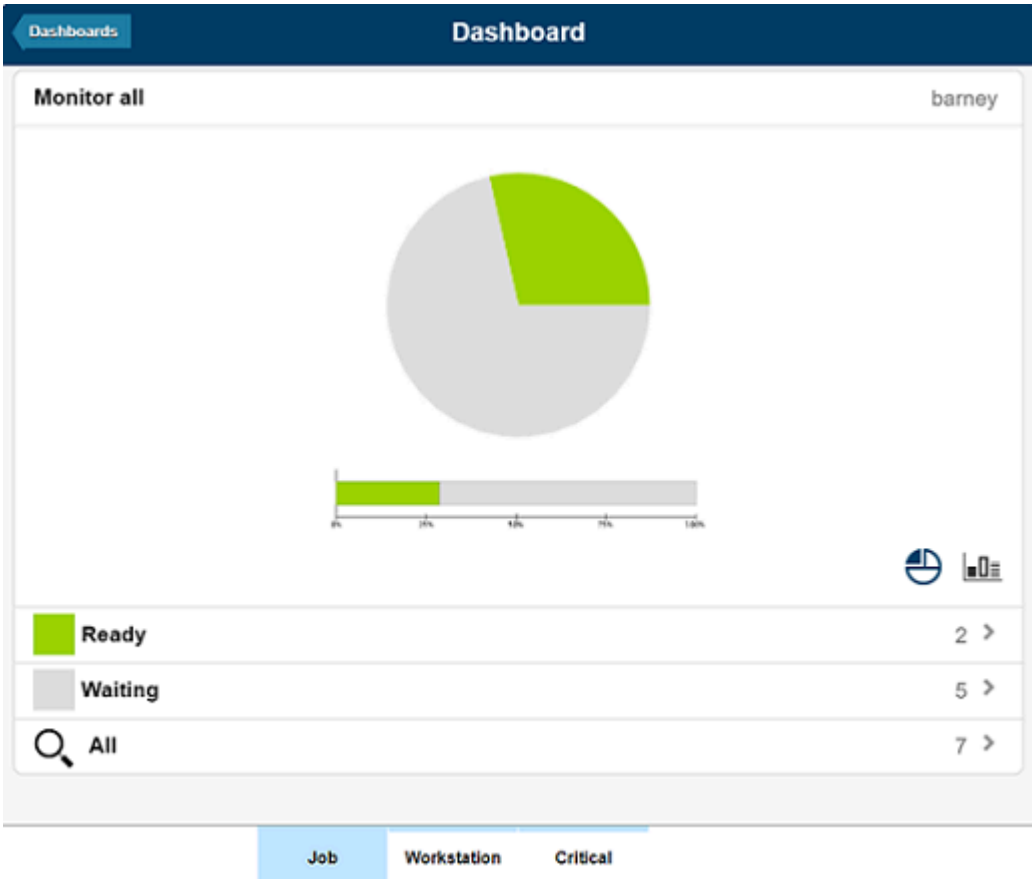
For more information, see Defining users and roles on page 14.

About this task

To run the query defined for a dashboard and display the results in a graphical dashboard view, perform the following steps:

1. Tap the Self-Service Dashboards section to launch the application.
2. Tap the dashboard you want to view.

3. The results corresponding to the filter criteria defined in the dashboard are displayed in graphical form.



Results

The dashboard displays the results that correspond to the filter criteria defined in the dashboard categorized by their state. Optionally you can transform the pie chart view to a bar chart view by tapping the related icon.

What to do next

You can zoom in on the results by tapping any one of the categories displayed below the dashboard. If the dashboard contains filter criteria for both jobs and workstations, then you can toggle between the results for jobs and workstations by tapping either **Jobs** or **Workstations**. To see only critical jobs that correspond to the job filter criteria, tap **Critical**. See Monitoring job status and details on page 27 for information about how use the list of results in the dashboard to view more detailed information.

Monitoring job status and details

You can use the results displayed in the dashboard to drill down to more detailed information about the results and perform some recovery actions. You can also send the details of a job or workstation to an email recipient. For jobs, the email includes a link to download the job log if available.

Before you begin

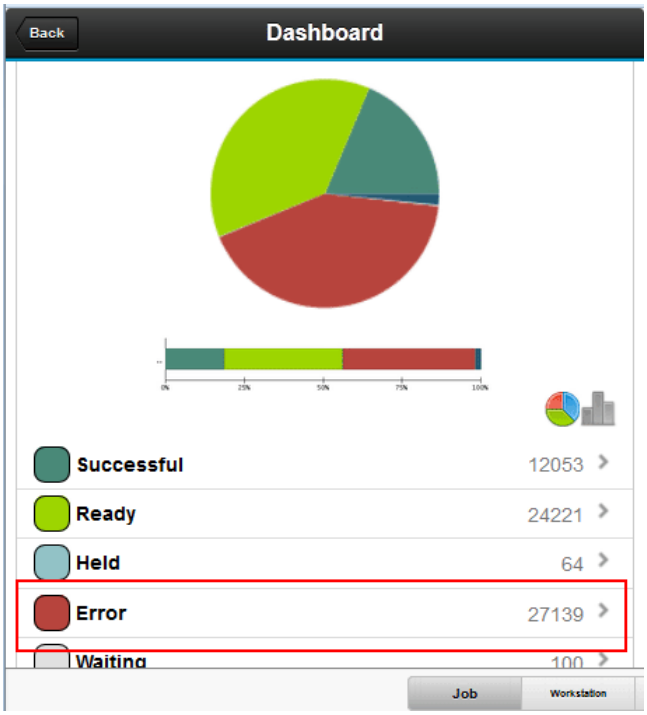
In general, the dashboard displays the jobs that match the filter criteria and the engines defined in the dashboard query, categorized by their current status. From the dashboard you can filter further by drilling down on jobs in a particular status,

on particular workstations, or jobs defined as critical in the network. For each job, you can view details such as the job name, the job number, the internal status, the associated job stream name, the risk level for critical jobs, the workstation name of the workstation where the job runs, and the workstation name of the workstation where the job stream runs, to name a few. You can also view the job log for each job and trigger a number of actions on the job depending on its status and whether it is a job in a distributed or z/OS environment.

About this task

To view details about a job in the "Error" state, including the job log:

1. From the dashboard containing the results of the monitoring service, scroll down to view the breakdown of jobs by status and tap the jobs in **Error** state.



2. A list of jobs, each containing some minimal information about the job such as the workstation name, job type, job stream name, scheduled time, and job number is listed. You can search for a specific job by entering a keyword in the **Search** field, or scroll to locate a job.

   Note: On z/OS engines, specify up to a maximum of 6 characters in your keyword search.

3. Tap a job in the list to display details about the job.

Results

You are able to view the job log for each job in the **Error** state to help you determine the problem encountered by the job.

Optionally, you can email the details of the job and the job log by clicking the **Share** icon  .

What to do next

You can select to perform actions on the job for which you displayed the details. You can also download and browse the job log if available. See Performing recovery actions on jobs on page 31.

Monitoring workstation status

You can use the results displayed in the dashboard to drill down to more detailed information and perform some recovery actions.

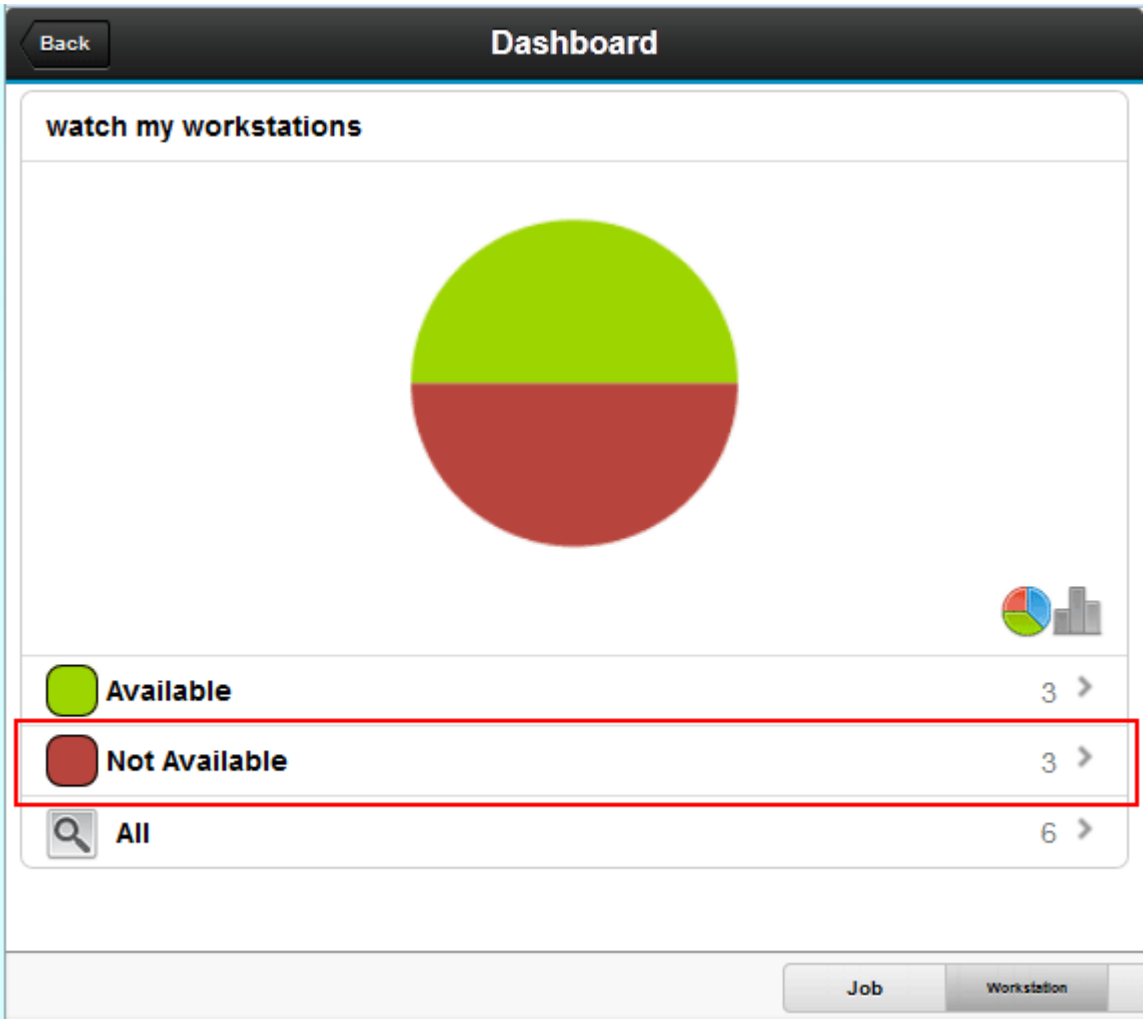
Before you begin

From the dashboard view displaying the results of the query defined for the dashboard, you can drill down to display more detailed information. In general, the dashboard results display the number of available and unavailable workstations for the engines defined for the dashboard. For these workstations, you can view details about each individual workstation such as: the workstation name, internal status, the type of agent workstation, and the link status, to name a few.

About this task

To view the workstation details for an unavailable workstation:

1. From the dashboard containing the results of the monitoring service, scroll down to view the breakdown of workstations by status and tap the workstations in the **Unavailable** state.



2. A list of workstations in the unavailable state are displayed. You can search for a specific workstation name by entering a keyword in the **Search** field, or scroll to locate a workstation.
3. Tap the workstation for which you want to display further details.

Results

Details about the workstation are displayed and a set of actions you can perform on the workstation are available at the end of the list.

What to do next

You can select to perform an action on the workstation, as well as send the details about the workstation to a recipient by email. See Performing recovery actions on workstations on page 32.

Performing recovery actions on jobs

Monitor the status of your jobs using the Self-Service Dashboards app and perform recovery actions from your mobile device.

About this task

You can access jobs in an IBM Workload Scheduler environment and monitor their status and perform recovery actions on them. You can choose to perform any of the following actions. The actions available depend on the current status of the job, if the job is a critical job, and whether the job runs on a workstation in a distributed or z/OS environment:

Kill

To kill a job, the job must either in Started or Running state.

Confirm SUCC

Confirms that the job ended successfully and changes the status accordingly.

Confirm ABEND

Confirms that the job failed.

Hot List (critical job)

Displays a list of predecessors of the job that are in late, fence, suppresssed, long running, or error state. This list can contain jobs that are outside the critical path of the job but that, if they do not complete successfully on time, can prevent the critical job from completing successfully.

Critial Path (critical job)

Displays a list of predecessors included in the critical path of the job.

All not completed predecessors (critical job)

Displays a list of the predecessors that are not in the Complete state.

Rerun

Rerun the job.

Cancel

Cancels the job.

Cancel Pending

Cancels a job that has not yet been launched after all the dependencies are resolved. Any jobs or job streams that are dependent on the cancelled job are released from the dependency. For jobs already launched, the job is cancelled when it completes and is moved to the final status.

Job Log

Download and browse the job log.

Hold

Puts a job in hold status so it cannot run until it is released.

Release

Release a job that is in Hold status so that it can run according to its regular schedule.

Delete

Deletes a job so it does not run.

Execute

Runs the job immediately, if it is ready to run, ignoring scheduling rules except dependencies.

Set Status

Change the status of the job. Depending on the current state of the job, you can change the status one of the following: **Started**, **Ready**, **Interrupted**, **Error**, **Complete**.

Optionally, you can email details about the job by clicking the **Share** icon  . The email contains also a link to the job log if available.

To perform a recovery action on a job:

1. From the list of dashboards, tap a dashboard name to produce a dashboard of results in a pie chart graphical view.
2. Select the category of jobs in a specific state below the dashboard.
3. Tap a specific job or search for and then tap a job.
4. Details are displayed for the selected job. Select one of the actions by clicking the **Action** icon  .

Results

A message displays either prompting you for more information or communicating the result of the action selected.

Performing recovery actions on workstations

Monitor the status of your workstations using the Self-Service Dashboards app and perform recovery actions from your mobile device.

About this task

You can access workstations in an IBM Workload Scheduler environment and monitor their status and perform recovery actions on them. You can choose to perform any of the following actions depending on the current status of the workstation and whether the workstation is in a distributed or z/OS environment:

Link

Connects the workstation to the IBM Workload Scheduler network.

Unlink

Disconnects the workstation from the IBM Workload Scheduler network.

Set Status

Change the status of the workstation. You can set the status to one of the following depending on the current state of the workstation: **Active**, **Offline**, **Failed**.

Note: If you use the default browser of Samsung Tab tablet, this action might not work properly. Use a different browser to set the status of the workstation.

Start

Starts all scheduling processing on the workstation.

Stop

Stops all scheduling processing on the workstation.

Set Limit

The maximum number of jobs that can run simultaneously on a workstation.

Set Fence

The fence setting for a workstation defines whether or not a job is launched on a workstation based on the priority setting. If the priority setting is less than or equal to the fence setting, then jobs are not launched on the workstation.

To perform a recovery action on a workstation:

1. From the list of dashboards, tap a dashboard name to produce a dashboard of results in a pie chart graphical view.
2. Tap a category of workstations in either the Available or Unavailable state.
3. Tap a specific workstation or search for and then tap a workstation.
4. Details are displayed for the selected workstation. Select one of the actions by clicking the **Action** icon  .

Results

A message displays communicating the result of the action selected.

Personalizing UI labels

IBM® Workload Scheduler provides the capability to customize user interface labels.

Before you begin

You might find this feature useful for your business users so that the tasks they perform are in the context of your line of business. You can personalize the UI labels for the following UIs:

- Self-Service Dashboards
- Self-Service Catalog and mobile applications

About this task

The properties file, `whitelabelling.properties`, from which you can modify UI labels must be created manually in a sub-folder named, `Labels`, which you must also create manually in the following path: <*DWC_DATA*>`usr/servers/registry` directory.

1. Create a new sub-directory named `Labels` in the following path:

   On Windows:

   ```
   C:\Program Files\IBM\<DWC_DATA>/usr/servers/dwcserver/registry
   ```

   On UNIX:

   ```
   //<DWC_DATA>/usr/servers/dwcservers/registry
   ```

2. Create a text file named `whitelabelling.properties` in the sub-directory named `Labels`.
3. Add the following parameters to the `whitelabelling.properties` file and assign a value to the labels you want to modify.

   ```
   mobile.title=<value>
     ssc.title=<value>
     ssd.title=<value>
   ```

   where <*value*> corresponds to the following labels:

   Self-Service Catalog and Self-Service Dashboards

   Replace <*value*> with the text to replace the current label:

   - **mobile.title**= <*value*> If defined, this label will appear instead of "IBM Workload Scheduler Mobile Apps"
   - **ssc.title**=<*value*> If defined, this label replaces "Self-Service Catalog"
   - **ssd.title**=<*value*> If defined, this label replaces "Self-Service Dashboards"

4. Save your changes.

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Index