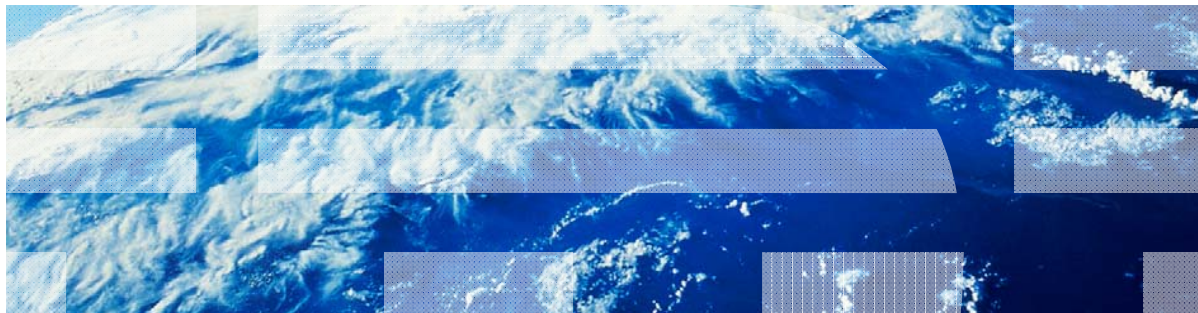


IBM Worklight V6.0.0 Getting Started

Operational Analytics



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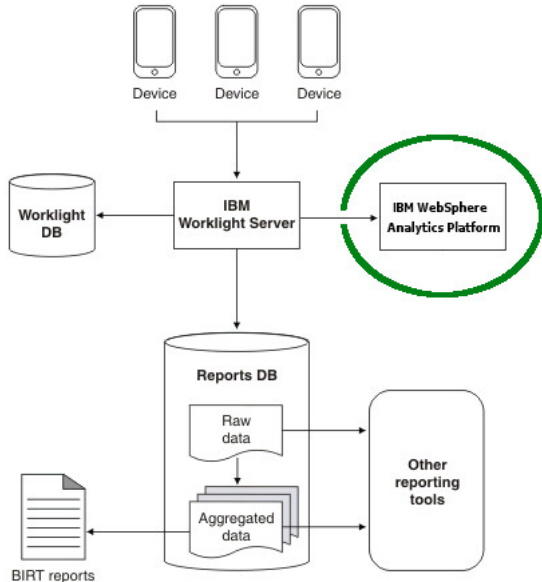
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Agenda

- Introducing IBM Worklight analytics
- Installing and configuring the IBM WebSphere Analytics Platform
 - System requirements
 - IBM WebSphere Analytics Platform server installation
 - IBM Worklight client application configuration

Introducing IBM Worklight analytics

- With IBM® Worklight® V6.0, you can have a view into your infrastructure by using its new analytics feature.
- You can integrate this new analytics feature with the Tealeaf CX server-side analytics platform.
- The client-side is included by default in applications that you create with IBM Worklight V6.0.0.
- You can use this new analytics feature as a replacement to the BIRT report feature.



Comparison with BIRT reports

- The IBM WebSphere® Analytics Platform (IWAP) provides the capability to search for specific terms in your mobile infrastructure, including IBM Worklight Server logs and client-generated analytic data.
- The IBM WebSphere Analytics Platform is more convenient to set up than BIRT.
- You do not have to configure or administer a database for the specific purpose of managing accumulated analytics data in IBM WebSphere Analytics Platform.

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Installing and configuring the IBM WebSphere Analytics Platform

- The IBM WebSphere Analytics Platform Server is a stand-alone component that you must install separately from IBM Worklight to provide the analytics feature.
- Consider installing this component on a system that is separate from the one you use to host your IBM Worklight Server and Application Center.
 - Do so to offload the necessary storage and analytics workload from your IBM Worklight production system.
- For the analytics feature to work after the installation of the analytics engine is done, you must configure Worklight Server to correctly forward the analytics data to the IBM WebSphere Analytics Platform.

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System requirements

- Red Hat Enterprise Linux 6.x, 64-bit
- 200 MB of disk space for installation
- 4 GB of RAM required (8 GB of RAM recommended)
- Local file system with minimum 100-GB disk space (ideally more)
- Python 2.6.x or Python 2.7.x
- Root access for installation
- Ability to open firewall ports

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IBM WebSphere Analytics Platform Server installation (1 of 2)

1. Locate the file of the analytics engine, which is the **analytics.zip** file in the **analytics** folder of your IBM Worklight installation folder.
 - Note: This installation folder is typically:
 - /opt/IBM/Worklight, on UNIX
 - C:\Program Files (x86)\IBM\Worklight, on Windows
2. Copy this **analytics.zip** file to the RHEL 64-bit system that you designated as the host for the IBM WebSphere Analytics Platform.

IBM WebSphere Analytics Platform Server installation (2 of 2)

3. Extract the content of the compressed file.
4. Run the interactive shell script. This script prompts for input such as installation paths.
 - Run `./setup.sh -t`
 - For more information about how to use the script, see the IBM Worklight user documentation, at <http://pic.dhe.ibm.com/infocenter/wrklight/v6r0m0/index.jsp>.
 - Edit the **wl.analytics.url** value in the JNDI configuration file of the Worklight Server to enable forwarding of the analytics data to the IBM WebSphere Analytics Platform server:
 - `wl.analytics.url = <IWAP server URL>/iwap/v1/events/_bulk`

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IBM Worklight client application configuration (1 of 2)

1. Set the **initOptions.js** file to enable analytics:
 - a. Set **connectOnStartup** to **true**. If set to false, analytics data are not sent to server until you make your first adapter call to trigger the Worklight app initialization sequence:

```
connectOnStart : true,
```

- b. Set the **analytics – enabled** to **true**, and set the URL for the server if you are using a separate Tealeaf CX server:

```
analytics : {  
  enabled: true  
  // url: '..'  
}
```

- When enabled this way, the **WL/ANALYTICS/READY** event is triggered when WL.Analytics is ready to be used.

IBM Worklight client application configuration (2 of 2)

- By default, if the analytics feature is enabled, the application crash contextual data is recorded, including stack trace and other application information.
- Use **WL.Analytics.log(Object, String)** to log other events.
- To dynamically enable the analytics feature, use **WL.Analytics.enable({options})**.
- To dynamically disable the analytics feature, use **WL.Analytics.disable()**.

- For more information about the WL.Analytics API, see the IBM Worklight user documentation, at http://pic.dhe.ibm.com/infocenter/wrklght/v6r0m0/topic/com.ibm.worklight.help.doc/apiref/apiref/r_wl_analytics.html.

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