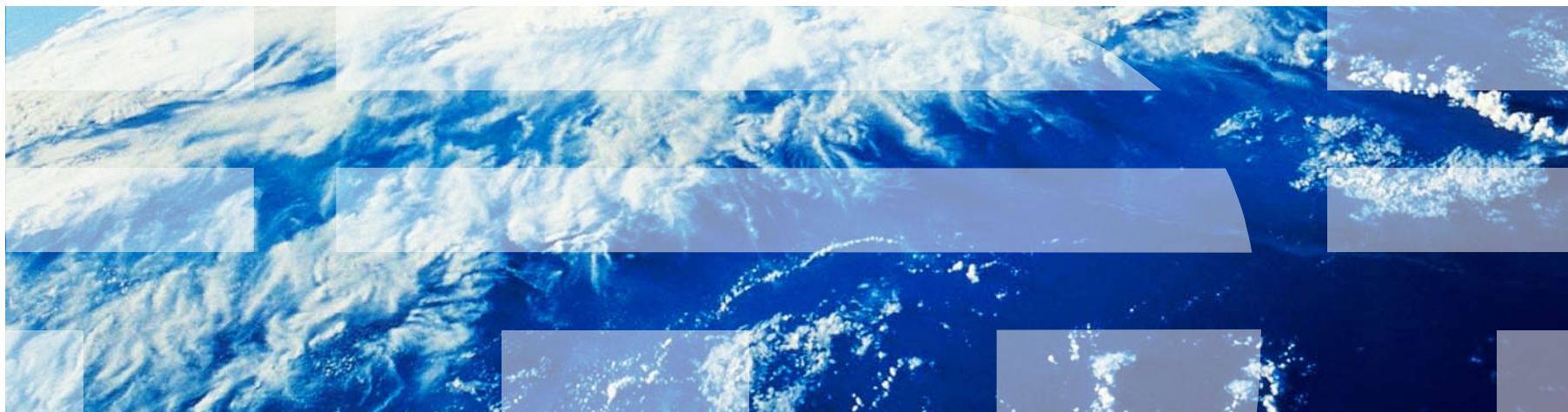


IBM Worklight V6.1.0 Getting Started

Reports and analytics



Trademarks

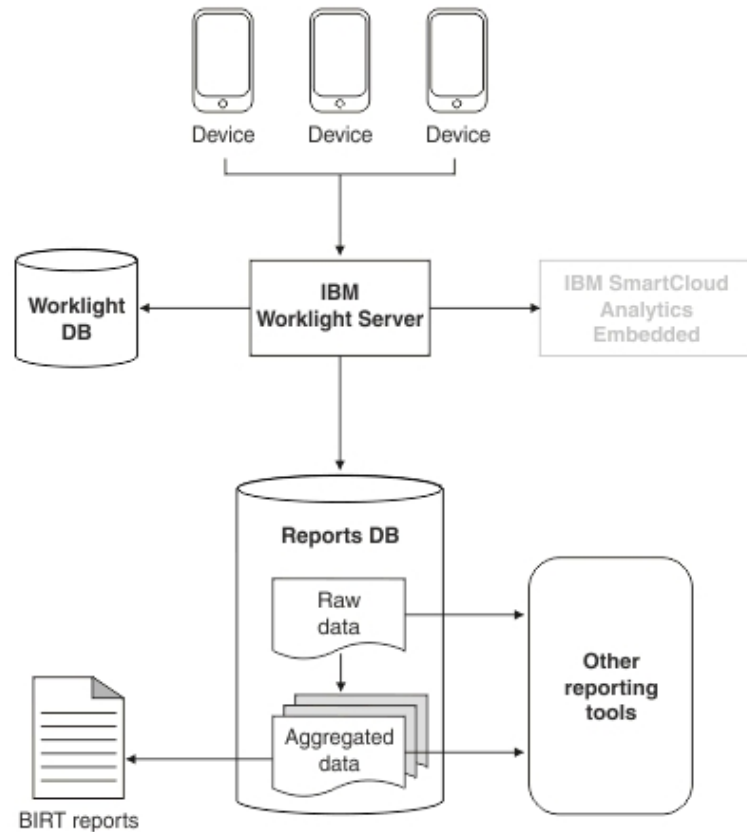
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Introducing Reports

- IBM Worklight® provides an extensible mechanism for enterprises to use their own reporting tools to integrate with the IBM Worklight platform and use the analytics data that is captured by the platform.
- The figure gives a high-level overview of the reports architecture.



Comparison with IBM SmartCloud Analytics Embedded

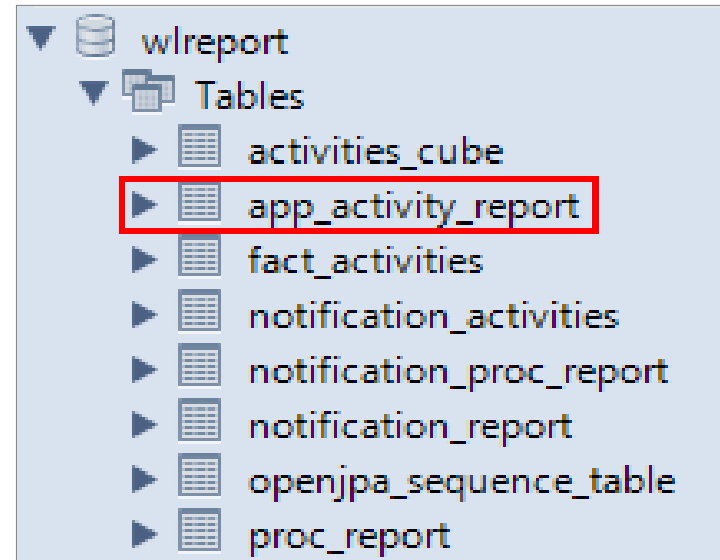
- IBM SmartCloud Analytics Embedded provides the capability to search for specific terms in your mobile infrastructure, including IBM Worklight Server logs and client-generated analytic data.
- IBM SmartCloud Analytics Embedded is more convenient to set up than BIRT.
- You do not have to configure or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

Introducing Device Reports

- IBM Worklight provides two reporting mechanisms
 - **Raw Data** – IBM Worklight emits raw data that enables an OLAP system to extract the required information and present it through corporate reporting mechanisms.
 - **Device Usage** – Device Usage reports are default aggregations that are based on the Raw Data and are provided for the benefit of organizations that do not have OLAP systems or choose not to integrate IBM Worklight with an OLAP system.
 - To **enable Raw Data** collection edit the `worklight.properties` file:
 - Uncomment the `reports.exportRawData` property and set its value to **true**.
 - Modify the `wl.reports.db` properties to contain your database settings.

Raw data

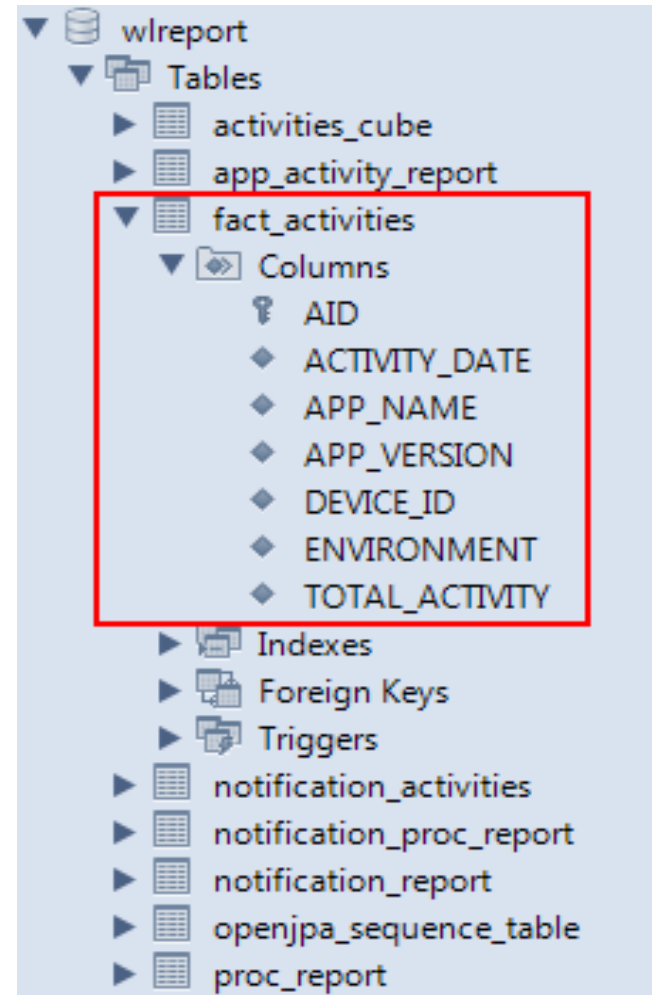
- With the Raw Data reports feature, you create collections of analytics information about your applications and adapters usage (such as: activity type, device info, or app version).
- For more information about how to enable Raw Data reports, see the IBM Worklight product documentation.



Device Usage Reports

- To allow simpler and faster access to the reports data, the Worklight Server runs an analytics data processor task with a default 24-hour interval.
 - This task retrieves the raw entries for the specified time interval from the **app_activity_report** table, processes them, and fills the **fact_activities** table.

- For more information about how to enable Device Usage reports, see the IBM Worklight product documentation.

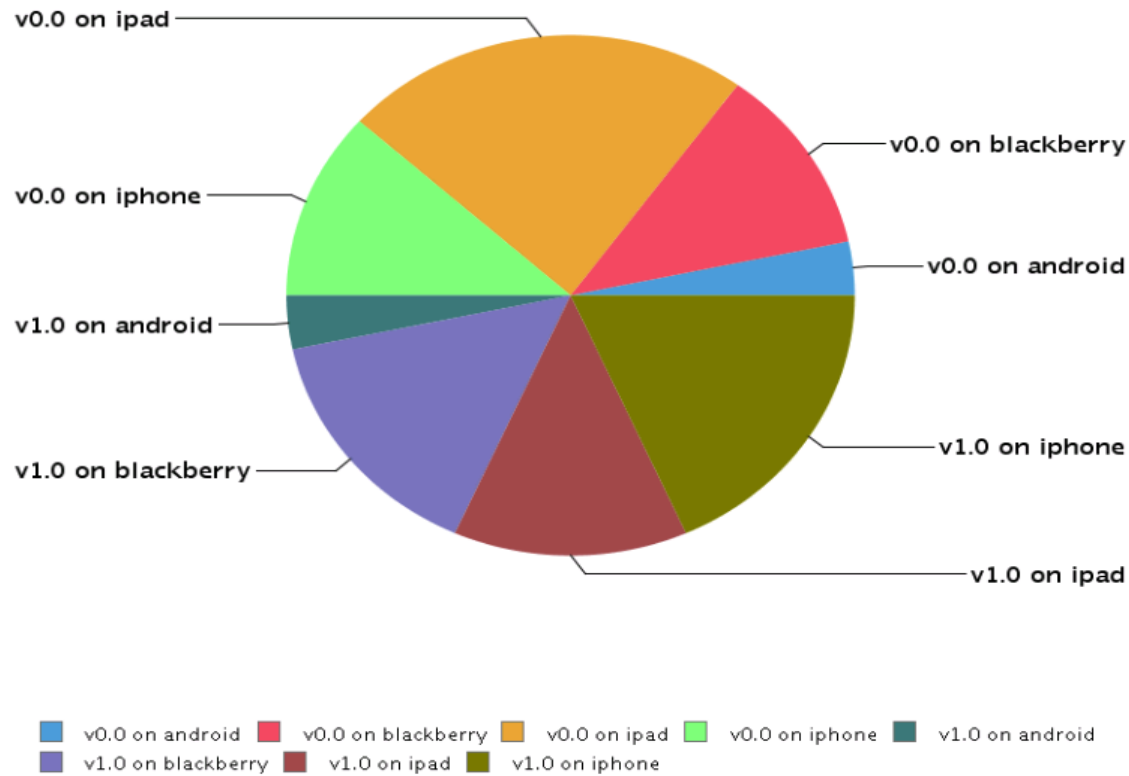


BIRT reports

- You can use Business Intelligence Reporting Tool (BIRT) to generate and render report content.
- BIRT provides two different user interfaces:
 - Report designer and viewer by using an Eclipse plug-in
 - Reports viewer that is installed on an application server and accessible via browser
- IBM Worklight installation contains a number of predefined BIRT reports.
 - These reports are configurable XML files that are designed to retrieve and present data from Worklight Reports database tables. These files have an `.rptdesign` extension.
- For more information about how to set up BIRT reports viewer on your application server, see the IBM Worklight product documentation.

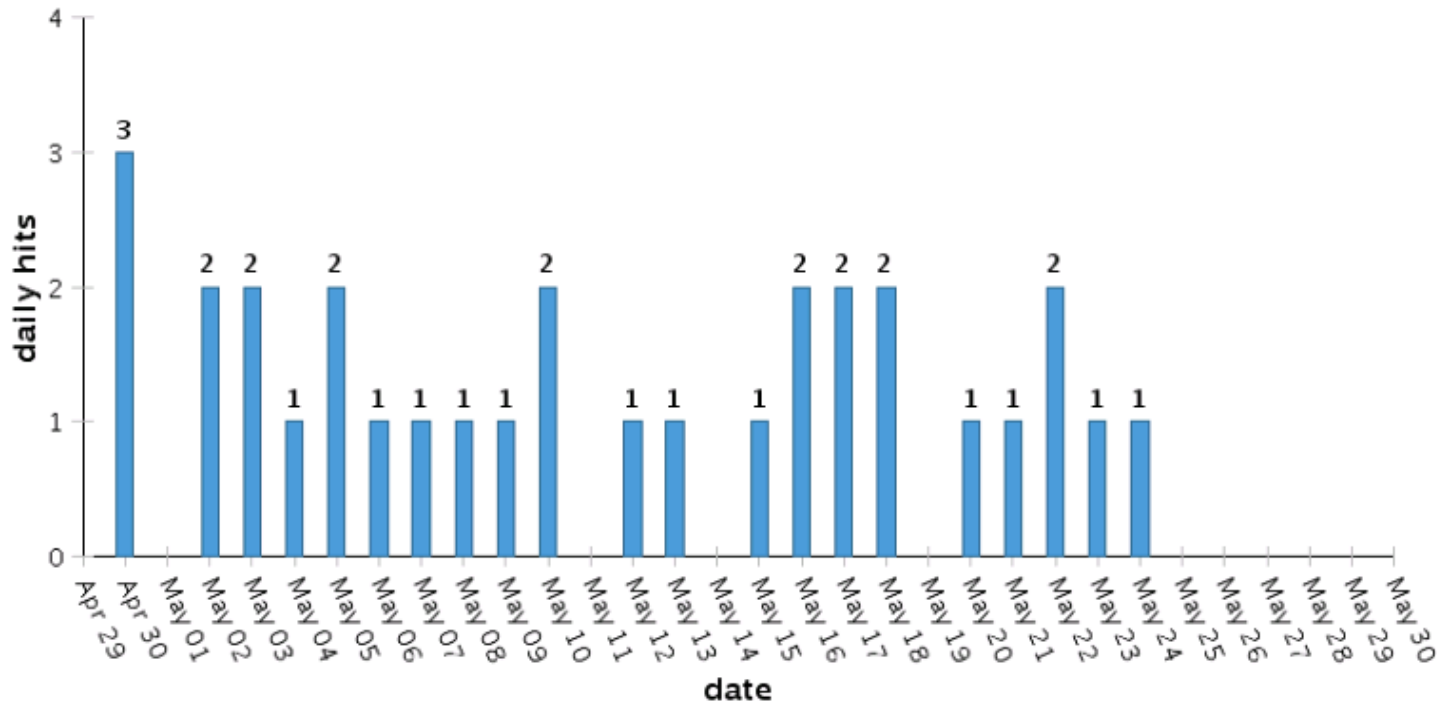
Viewing reports

WL-App-1: Total daily visits in the last 30 days



Viewing reports

WL-App-1 1.0: Daily hits in the last 30 days.



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