CLOUD CRUISER

v 2.4

Release Notes

August 14, 2013

Cloud Cruiser 2.2 has tested compatible with Cisco Intelligent Automation for Cloud 3.1. The Cisco Compatible logo signifies that Cloud Cruiser's product has undergone interoperability testing by Cloud Cruiser together with Cisco and a third-party test house based on testing criteria set by Cisco. Cloud Cruiser is solely responsible for the support and warranty of its product. Cisco makes no warranties, express or implied, with respect to Cloud Cruiser's product or its interoperation with the listed Cisco product(s) and disclaims any implied warranties of merchantability, fitness for a particular use, or against infringement.

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Contents

Introduction

This document contains the cumulative release notes for Cloud Cruiser version 2.4.x. This includes the new and updated features, bug fixes since v2.3.0, and the system requirements. The current release is Cloud Cruiser 2.4.0.

Related documentation

Documentation is provided in the `<base_dir>/docs` directory.

- *Cloud Cruiser 2.4 Installation Guide* (PDF)

  This guide describes how to install and configure Cloud Cruiser and the collectors, the database, and the application server.

  `<base_dir>/docs/Cloud Cruiser 2.4 Install Guide.pdf`

- *Cloud Cruiser 2.4 User Guide* (PDF)

  This guide describes how data is collected and stored, provide details on administering the system, and covers the collectors that deliver usage data to the Cloud Cruiser application. It describes elements of the Job XML required for data usage collection.

  `<base_dir>/docs/Cloud Cruiser 2.4 User Guide.pdf`

- *JavaBean Reference* (HTML)

  The API documentation for the Cloud Cruiser JavaBean library is in HTML format. To get started, open `index.html` and select the `com.cloudcruiser.batch` package.

  Beans are organized into packages, such as collection, transform, and filter. Spring Batch XML examples are included throughout the documentation.

  `<base_dir>/docs/batch/apidocs`

System requirements

The following are the minimum hardware and software requirements for running Cloud Cruiser.

Hardware

- 2GHz or faster multi-core processor
- 4GB or more of system memory

Operating system

You must use the 64-bit version of one of the following operating systems:

- Microsoft Windows Server 2008 or 2012
- Linux with a v2.6 or later kernel
- Windows 7

Database server

NOTE: A database is NOT included with the Cloud Cruiser installation. You must provide one of the following database servers:

- Microsoft SQL Server 2008 or 2012. The Express edition is supported, but is not recommended for production environments due to its limitations, especially database size.
- Oracle 10g or 11g

Application server

Java Standard Edition 7 (JDK or JRE), 64-bit version is required. You can download it at http://www.java.com/getjava.

For information about installing and configuring Java, see “Setting Up the Java Environment” in the *Installation Guide*.

Client

One of the following browsers is required:

- Microsoft Internet Explorer (IE) 9 or newer

  NOTE: Although the product works on 32-bit versions of IE, Cloud Cruiser strongly recommends that you use the 64-bit version of IE for better performance.
- Mozilla Firefox
- Google Chrome

NOTE: Cloud Cruiser has been tested with Firefox 20 and Chrome 26. The application should continue to function with new, automated version updates of these browsers. However, some issues could arise that can only be resolved with subsequent patches to Cloud Cruiser or by reverting the browser update.

New features and enhancements in v2.4.0

The following features are new or enhanced in Cloud Cruiser version 2.4.0.

Prorate for the remainder of a period

You can now charge for an allocated resource for the remainder of a charge interval on the day that the resource is allocated. For example, this would mean that a resource with a monthly rate that is allocated on the 15th day of the month is charged for half of a month, regardless of whether it is deallocated before the end of that month.

To apply this behavior to a set of resources, use the new `prorateOnAllocationOnly` property of a `com.cloudcruiser.batch.charge.ResourceFamily` bean with the tasklet `com.cloudcruiser.batch.CCRecordChargeTasklet`. For more information, see the Java API documentation in `<base_dir>/docs/api/batch/com/cloudcruiser/batch/CCRecordChargeTasklet.html`.

Collect usage data remotely

You can now run a batch job on a remote computer that collects usage data and posts it to your Cloud Cruiser server to load charges into the database. The new tasklet `com.cloudcruiser.batch.remote.UploadUsageTasklet` uses Cloud Cruiser's REST API to post data from any collector to the server. There you can perform further batch processing on it, such as aggregating it with data collected locally, and then load charges.

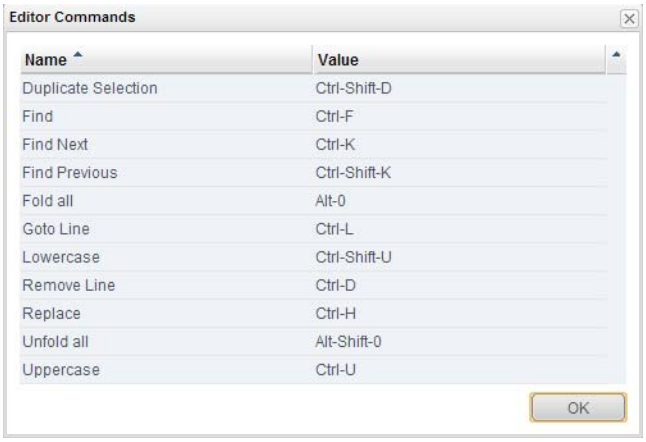
For more information, see "Running jobs from a remote computer" in the *User Guide* and the Java API documentation in `<base_dir>/docs/api/batch/com/cloudcruiser/batch/remote/UploadUsageTasklet.html`.

Batch job editor enhanced

The XML editor available in the Batch Maintenance window now has the following functionality to make editing batch jobs easier and more efficient:

- Syntax highlighting
- Options for configuring fonts, colors, and other display characteristics
- Keyboard commands for common editing tasks

To set the display options or to view the list of commands, right-click in the editor. The list is also shown in the following screenshot:



New features and enhancements in v2.3.1

The following features were added or enhanced in Cloud Cruiser version 2.3.1, and are included here because many customers will upgrade to version 2.4 from an earlier release.

Analyzing billing data in Microsoft Excel simplified

In this release, the Cloud Cruiser database contains views that allow you to more easily analyze loaded charges from within Microsoft Excel using an Office Data Connection. After relating the `ReportSummary` view to the `ReportAccountStruct0` view by their `Account UID` columns in Excel, you are able to create a PivotTable that shows charges for a desired level of your account structure.

NOTE: This functionality requires Microsoft Excel 2010 or later.

Aggregation improved

Aggregation now produces more accurate usage periods when run with a daily or hourly interval. The tasklet `com.cloudcruiser.batch.CCRecordAggregationTasklet` now has an `adjustUsageInterval` property. When this property is set to `true` (the default) and `interval` is set to either `DAILY` or `HOURLY`, the tasklet sets the usage time in the aggregated record to the full day or hour during which the usage occurred.

Without this option, the tasklet sets the usage time in the aggregated record to the duration between the time of the first collected record and the last, making it impossible to show a full day of usage.

Importing of LDAP users simplified

When you import users into Cloud Cruiser from an LDAP server, they are now active by default. Previously only users with the Admin role were active upon import. For more information, see “Importing LDAP users” in Chapter 6 of the *User Guide*.

Fixed bugs

The following bugs have been fixed since the Cloud Cruiser 2.3.0 release:

Description	Bug ID	Fixed in
The VMware vCenter Collector failed to collect data under certain conditions. This bug was introduced in version 2.3 and did not affect earlier versions.	2710	2.3.1
After the charge step of a batch job encountered an inactive resource, it failed to recognize some active resources, providing unpredictable results.	2706	2.4.0
Deleting a large number of load groups at the same time caused the database log to grow by a large amount.	2711	2.4.0
When a transaction processing job ran with reprocessing set to true, only the final date of a daily recurring transaction was reprocessed.	2645	2.3.1
When a transaction processing job ran with reprocessing set to true, a monthly recurring transaction was reprocessed with each run of the job instead of only once per month.	2657	2.3.1
An allocated resource with a fixed rate caused an error in proration, preventing the charge step of a job from completing.	2783	2.3.3
The aggregation step of the sample transaction processing job caused an error when the job was run against a monthly recurring transaction.	2788	2.4.0
When selecting a resource for a transaction, the type-ahead search treated each character you typed as an independent string, preventing matches on anything past the first character of a resource name.	2729	2.3.3
In the Alerts pane of the Cloud Cruiser Portal, when you chose June in a calendar control after first choosing another month, the calendar displayed incorrectly.	2685	2.4.0
Drilling down into the Top 10 Accounts by Revenue graph on the My Cloud page displayed an empty Standard Invoice if you were logged in as a user without the Admin role.	2760	2.4.0
If you selected VMware vCenter as your Collector Type in the Cloud Cruiser installer, the jobs installed used the deprecated VMware vCenter Collector rather than the preferred VMware vSphere collectors.	2791	2.4.0