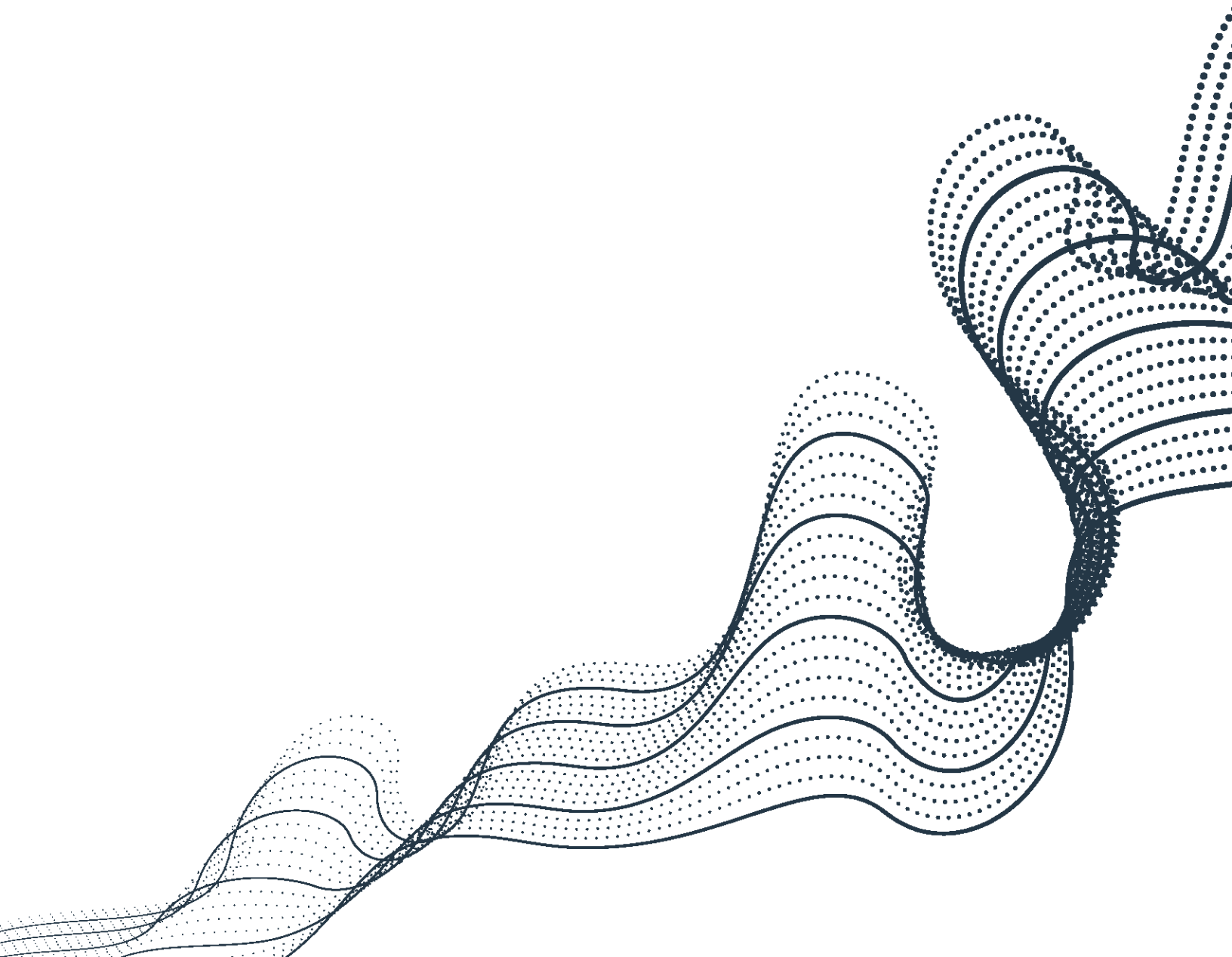




Commander
Version 8.2.3

Release Notes



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New in Version 8.2

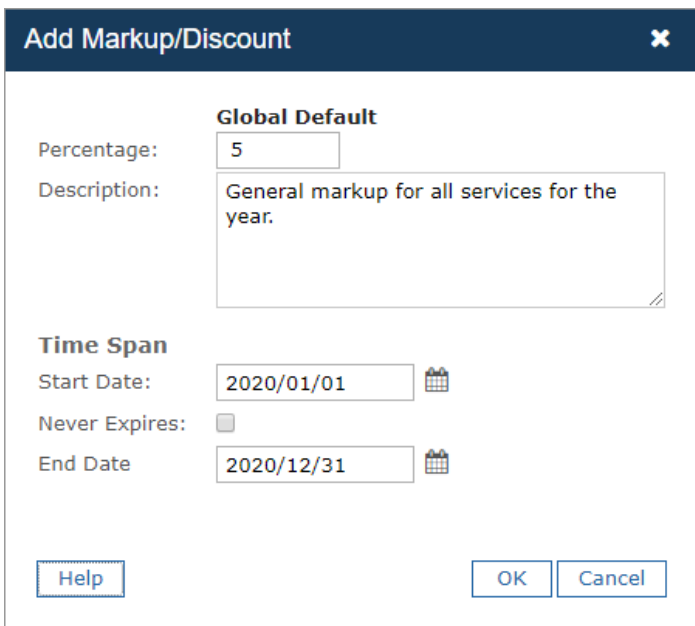
Commander Version 8.2 introduces new enhancements that bring increased flexibility in cost reporting and analysis. We've also got new sign-in pages for Commander and the Service Portal.

Finally, to allow you to work more efficiently using our REST interface, we've added a new feature to our REST API.

Markups/discounts for specific dates

The amount you need to mark up or discount your costs can change over time, for example in specific contracts or agreements you have with your cloud consumers or customers. In a previous release, Commander already provided the ability to markup/discount cloud service costs. With these new enhancements in Commander 8.2 you can now apply different values to your cost markups/discounts for different periods. Alternatively you can use "Never Expires" to retain the markup/discount indefinitely.

The example below provides a one-year 5% markup.




The screenshot shows a dialog box titled "Add Markup/Discount" with a close button (X) in the top right corner. The dialog contains the following fields and controls:

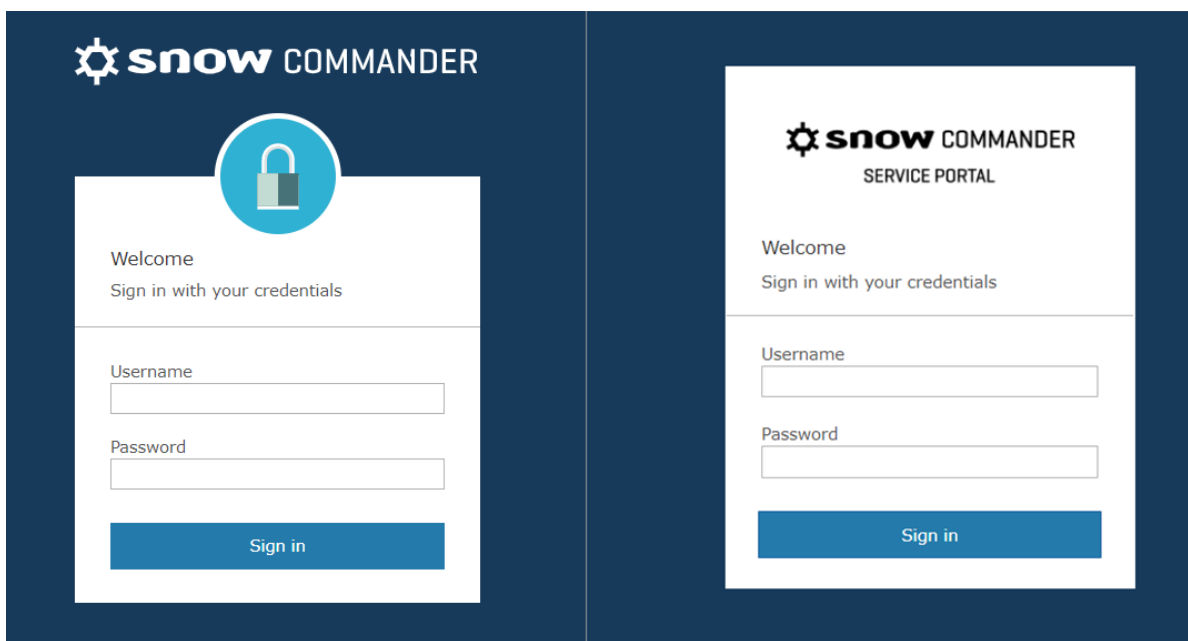
- Percentage:** A text input field containing the value "5".
- Description:** A text area containing the text "General markup for all services for the year." with a small icon in the bottom right corner.
- Time Span:** A section header.
- Start Date:** A date input field containing "2020/01/01" with a calendar icon to its right.
- Never Expires:** A checkbox that is currently unchecked.
- End Date:** A date input field containing "2020/12/31" with a calendar icon to its right.
- Buttons:** At the bottom, there are three buttons: "Help", "OK", and "Cancel".

For more information on applying markups and discounts, see "Markups and Discounts page" in the Commander User Guide.

Redesigned sign-in pages

The sign-in pages for Commander and the Service Portal now have a fresh new look and feel. As part of the redesign, the terms "login" and "logout" are changed to "sign in" and "sign out".

 **Note:** Changes are required upon upgrade if you configured a custom theme for the Service Portal prior to version 8.0. For more information, see "Changes affecting upgrading users" in the Installation Guide.



Manage user roles with REST API

Using REST API, you can now manage user roles by doing the following:

- browse user roles
- retrieve properties and permissions

To get started with REST, see [Getting Started with the Commander REST v3 API](#) in the REST APIs Guide. To browse the API reference, see [Snow Commander REST API](#).

Installation and Upgrade Notes

- If you're going to perform a first installation of Commander, refer to the Installation Guide for an overview of the Commander requirements and for instructions on how to install Commander.
- If you're going to upgrade an existing Commander installation to 8.2.3, see the [Upgrading Commander](#) section of the Installation Guide for **important information** before starting the upgrade process and for instructions on how to upgrade a Commander installation.

Supported upgrade paths

Consult the following table to see whether a direct upgrade from your currently installed version is supported.

Current installed version	Direct upgrade supported to
8.0.x	8.1.x, 8.2.x
7.5.x	8.0.x
7.1.x	7.5.x
7.0.x	7.1.x
6.1.x	7.0.x, 7.1.x

Deprecated and Removed Features and Platforms

The following features or platforms have recently been removed or deprecated. If you need more information about any deprecated or removed features, contact support@embotics.com.

- **Scanning Guest Operating Systems:** The Scanning Guest Operating Systems feature has been deprecated as of Release 8.1 and will be removed in a future release.
- **VM Billing Report for Public Clouds:** You can use the VM Billing Report for private cloud environments; however, for public or hybrid cloud environments it's recommended that you use the Cloud Billing Report. The ability to use the VM Billing Report for public clouds will be removed in a future release.
- **End of Life Policy, Suspect Policy, and Approval Policy:** The End of Life policy, Suspect policy, and Approval policy and the relevant VM states were deprecated as of Release 7.0.2 and will be removed in a future release.
- **Microsoft Windows Server 2012 R2 and Windows Server 2012:** Support for Microsoft Windows Server 2012 R2 and Windows Server 2012 has been removed as of Release 8.1.
- **Microsoft SQL Server 2012:** Our support for Microsoft SQL Server 2012 now requires SP4 as of Release 8.1. However, Microsoft SQL Server 2012 support is now considered deprecated and will be removed in a future release.



Note: As of Release 8.1, Microsoft Windows Server 2019 and Microsoft SQL Server 2019 are supported for use with Commander. For information on software, hardware, and other requirements to run Commander, see "System Requirements" in the Installation Guide.

Resolved Issues

The following issues have been resolved:

- [Issues resolved in 8.2.3](#)
- [Issues resolved in prior 8.2.x releases](#)

Issues resolved in 8.2.3

The following issues have been resolved in version 8.2.3.

Issue	Description
16574	Improvements have been made to Commander to make it more tolerant of database deadlocks.
16406	When a VM with IPs from the IP Pool is converted to a template, the IP addresses that were associated with that VM are now correctly released back to the IP pool.
16114	Billing retrieval for VMware failed due to an incorrectly generated timestamp. The timestamp is now correctly generated for billing records and billing retrieval works as expected.
15769	Viewing all IP addresses now works as expected in cases where there are two or more IP addresses configured for a VM's network interface.
15666	A <code>GET /rest/v3/virtual-machines/</code> call will now always apply the correct visibility filtering.

Issues resolved in prior 8.2.x releases

The following issues have been resolved in prior 8.2.x releases.

Issue	Description
16064	The Completion Workflow Module list now appears as expected in the Run Module workflow step.
15967	AWS billing retrieval logic has been fixed to properly handle costs with usage start and end dates on different days.
15993	After upgrade to 8.2, an AWS Cloud Account can become disconnected if bare metal instances are used. Release 8.2.1 has resolved this issue.
15931	AWS cloud accounts no longer disconnect if you delete an AMI and snapshot while synchronizing inventory.
15881	Memory consumption has been optimized when retrieving AWS billing records.
15817	A REST GET service request now returns a service catalog custom component's name and form metadata.
15816	Quota approval email workflow steps failed to complete if no quota was assigned to an organization. This has been fixed and quota approval email workflow steps now complete as expected.
15721	The Cloud Billing report can now include negative costs, such as refunds or adjustments.
15589	REST v3 JSON web tokens sometimes expire before the set renewal time had elapsed. This has been corrected.

Issue	Description
15506	AWS Reserved Instance Fee costs were inaccurate. This has now been corrected, except as noted in the Known Issues. To correct historical data, you can use the REST API billing reset.
15503	Viewing service request details on resources with a null storage tier was causing an error. This has now been resolved.
15383	The previous day costs in the Daily Cost Breakdown table will now be accurately represented for billing records when the billing tags changed on the previous day.
15350	Users that belong to an AD group can now run API V3 calls as expected. They no longer have to be explicitly added to Commander.
15287	BlueCat™ IPAM integration with Commander has been fixed.
15220, 15217	Users couldn't sign in to the Service Portal or Commander using the SAML single sign-on (SSO) integration with the REST API. The SAML SSO integration now works as expected.
15219	In the VM Billing Report, 0 costs are no longer shown as -1.00.
15211	Service Portal users can now submit change requests using REST v2.
15016	GCP billing retrieval no longer fails in cases when there are multiple credits associated with a service.
12011	You can now use bullets in workflow emails.
1621	When used in completion workflow steps, the Jenkins workflow plugin could cause server connections to fail when using HTTPS. The Jenkins workflow plugin now allows server connections using both HTTP and HTTPS.
1529	If a URL path used by an Execute REST workflow step included spaces, the spaces would be considered illegal characters, and the step would fail. The workflow step now appropriately handles spaces in a URL path.

 **Note:** To access release notes for previous releases, go to the [Release Notes Archive](#).

Known Issues

These are the known issues for Commander 8.2:

Issue	Description and Solution
21870	<p>When you deploy the VM Access Proxy, the Synchronize guest time with host option is disabled.</p> <p>In vCenter, right-click the VM Access Proxy deployment and select Edit Settings. On the VM Options tab (the Option tab in the Thick Client), enable the Synchronize guest time with host option in the VMware Tools panel.</p>
21477	<p>Google Chrome no longer supports the Common Name in self-signed certificates. Chrome now requires a Subject Alternative Name instead of the Common Name used in the self-signed certificate delivered with Commander.</p> <p>If you're using Chrome, generate a self-signed certificate for Commander using the Subject Alternative Name.</p>
16002	<p>When the WebMKS console connection method is configured, Internet Explorer 11 users may be unable to see the mouse pointer in the console session.</p> <p>To open a console to a Windows VM from Internet Explorer 11 when using WebMKS, try enabling mouse trails with the shortest option. Or, use the VMRC plug-in method instead of the WebMKS method. For Linux VMs, use the VMRC plug-in connection method. See Console connection methods to learn how to change the console connection method for HTML5 browsers.</p>
15602	<p>Commander and the Service Portal don't support multiple connections in the same browser. For example, you can connect to Commander in both Firefox and Chrome at the same time, but you can't connect to Commander in two instances of Firefox at the same time.</p> <p>Use a different browser to open another session.</p>
15506	<p>Reserved Instance daily fees may be incorrect in the month that a reserved instance is purchased or expires.</p>
9223	<p>In some cases, when you attempt to generate a Cloud Billing report and use the Group By option of Cost Adjustments, the report will fail to generate.</p>

