

CLOUD PROVISIONING SERVICE RELEASE NOTES

Welcome to the Cloud Provisioning Service (CPS) v0.5 Release Notes. Please read this document to find important information on CPS.

CONTENTS

CLOUD PROVISIONING SERVICE RELEASE NOTES	1
CLOUD PROVISIONING SERVICE VERSION HISTORY	2
VERSION 0.5 – AUGUST 2026.....	2
VERSION 0.4.2 – JULY 2026.....	5
VERSION 0.4.1 – MAY 2026	5
VERSION 0.4 – APRIL 2026.....	6
KNOWN ISSUES	8
GETTING HELP	9

CLOUD PROVISIONING SERVICE VERSION HISTORY

VERSION 0.5 – AUGUST 2026

WHAT'S NEW

- **PRODUCTION SCHEDULER IMPROVEMENTS**

The Production Scheduler includes several improvements to make creating and managing scheduled events easier.

- Users can now create a new event by clicking and dragging across a time range in the calendar.
- When the start date of an event is changed, the end date is now updated accordingly.
- A default end time of 4 hours after start time is now automatic when creating an event.
- The numerical ID is no longer displayed as subtext on calendar events.
- Changes can now be made to supported fields for events that are already in progress.
- Improvements have been made to reduce flickering caused by the Scheduler re-rendering.

- **OTHER IMPROVEMENTS**

- When a Production is deleted while it is open in an Aura tab, the tab is automatically closed.
- Production name changes are kept in sync where the production name is displayed.
- Productions that have not been initialized are now hidden from the Production Dashboard.
- The host name is now hidden on the Production Dashboard when no ports are available.
- RCG deployments now include an additional 250 GB D: drive for XPression support files.
- Icons have been added to the panel tabs to make them easier to identify.
- Updated page title and favicon.
- User roles can now be configured to permit stopping a production without permitting the user to start one.
- The UI shell has been updated with RPM 2027 branding.

BUGS ADDRESSED

- Fixed an issue where the Start Time and End Time fields could be set as empty when editing a scheduled event. (EMNG-1056)
- Fixed an issue where the calendar would not update after a scheduled event expired. (EMNG-1073)
- Fixed an issue where the Delete Event confirmation dialog displayed inconsistent fonts. (EMNG-1078)
- Fixed an issue where the Production field was not properly validated when editing an event that referenced a production that no longer existed. (EMNG-1085)
- Fixed an issue where a scheduled event would not start the instance/production at the scheduled time. (EMNG-1384)
- Fixed an issue where CPS would not display an error when a duplicate production short name was entered. (EMNG-801)
- Fixed an issue where invalid, overly long production names (more than 20 characters) could result in incorrect UI behavior. (EMNG-864)
- Fixed an issue where the Launch UI option on the Production Dashboard displayed username and password fields for Linux systems. (EMNG-1052)
- Fixed an issue where previously selected IP addresses were displayed in Application Details when creating a new package. (EMNG-1112)
- Fixed an issue where a production could return to the RUNNING state after it was dismantled. (EMNG-874)
- Fixed a typo in the Dismantle Production confirmation dialog. (EMNG-1122)
- Fixed an issue where incorrect service URLs prevented scheduled events from being created in the production UI. (EMNG-1364)
- Fixed an issue where saving a Location while it was in the RUNNING state caused the Location to redeploy. (EMNG-1080)
- Fixed an issue where changing a Location Type from Unmanaged to Managed could result in validation issues when selecting a VPC in the System Configuration – Cloud Location Configuration menu. (EMNG-1090)
- Fixed an issue where VPC validation could be bypassed when changing a Location Type from Managed to Unmanaged in the System Configuration – Cloud Location Configuration menu. (EMNG-1152)
- Fixed an issue where the external ports table could be missing and ports could be duplicated when adding an application with network configuration to a running production. (EMNG-1151)
- Fixed an issue where a newly created Location could not be deleted in the System Configuration – Cloud Location Configuration menu. (EMNG-1181)

- Fixed an issue where saving an application snapshot would not work after restarting a stopped application. (EMNG-875)
- Fixed an issue where the Force Reset option would not reset an application from the Snapshot in Progress state. (EMNG-1053)
- Fixed an issue where snapshot errors could occur during production lifecycle actions. (EMNG-1108)
- Fixed an issue where the UI would display an incorrect snapshot state while a snapshot was being saved or loaded. (EMNG-1200)
- Fixed an issue where starting a production could automatically deploy packages for users who did not have Deploy permissions. (EMNG-893)
- Fixed an issue where the Tree View would not scroll. (EMNG-1066)

VERSION 0.4.2 – JULY 2026

BUGS ADDRESSED

- Fixed an issue where CPS would fail to start and would return to the STOPPED state without indicating the reason for the failure. (EMNG-1380)
- Fixed an issue where the CPS UI would continue to display an instance as RUNNING after the underlying EC2 instance was stopped outside of CPS. (EMNG-1375)

VERSION 0.4.1 – MAY 2026

BUGS ADDRESSED

- Fixed several security vulnerabilities. Key highlights are detailed in the table below.

Affected Component	Update	Security Impact
Base Image Hardening	Replaced base images for <code>cps-config-core</code> and <code>cps-scheduler</code>	Eliminated multiple critical/high vulnerabilities (majority of total findings)
ImageMagick Removal	Removed vulnerable ImageMagick packages (CVE-2026-25971, CVE-2026-26284)	Resolved multiple critical vulnerabilities
System Libraries Cleanup	Removed unused OS packages (zlib, sqlite, libaom, linux headers)	Reduced attack surface and eliminated high-frequency CVEs
Shared Dependency Fix	Upgraded <code>picomatch</code> (4.0.3 → 4.0.4)	Fixed CVE-2026-33671 across 10 microservices
UI Dependency Updates	Upgraded <code>tar</code> , <code>minimatch</code> , <code>glob</code> , <code>cross-spawn</code>	Resolved 12 high-severity CVEs in <code>cps-ui</code>
Runtime Simplification	Removed Python and unnecessary runtime components from images	Eliminated multiple high vulnerabilities and reduced image size

VERSION 0.4 – APRIL 2026

WHAT'S NEW

This is the initial release of CPS. Once logged in, users can access the Production Dashboard panel and the Production Scheduler panel from the side navigation.

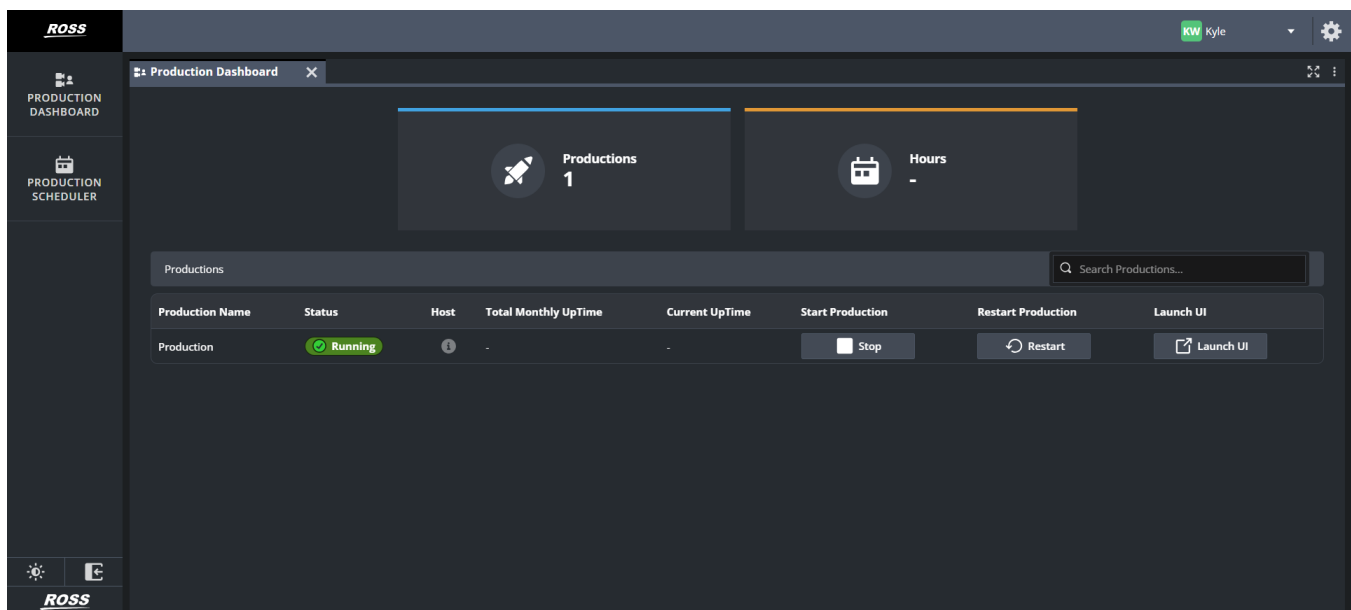
XPRESSON.CLOUD SUPPORT

This initial release of CPS introduces support for XPression.cloud, a cloud-hosted XPression graphics service designed to deliver high-quality graphics for sports productions. It enables productions to generate scoring and branding graphics from the cloud while integrating with existing on-prem workflows. XPression.cloud supports the use of existing XPression assets, allowing customers to produce professional broadcast graphics using a cloud-based workflow.

THE PRODUCTION DASHBOARD

Key tasks when managing productions (like starting/stopping a production) can be done within the Production Dashboard. Users can also see helpful information from the Production Dashboard such as the total time a production has been deployed and how many productions there are in total. From the Production Dashboard, users can perform the following actions:

- Start a production
- Stop a production
- Restart a production
- View a production's UI
- Search for a specific production

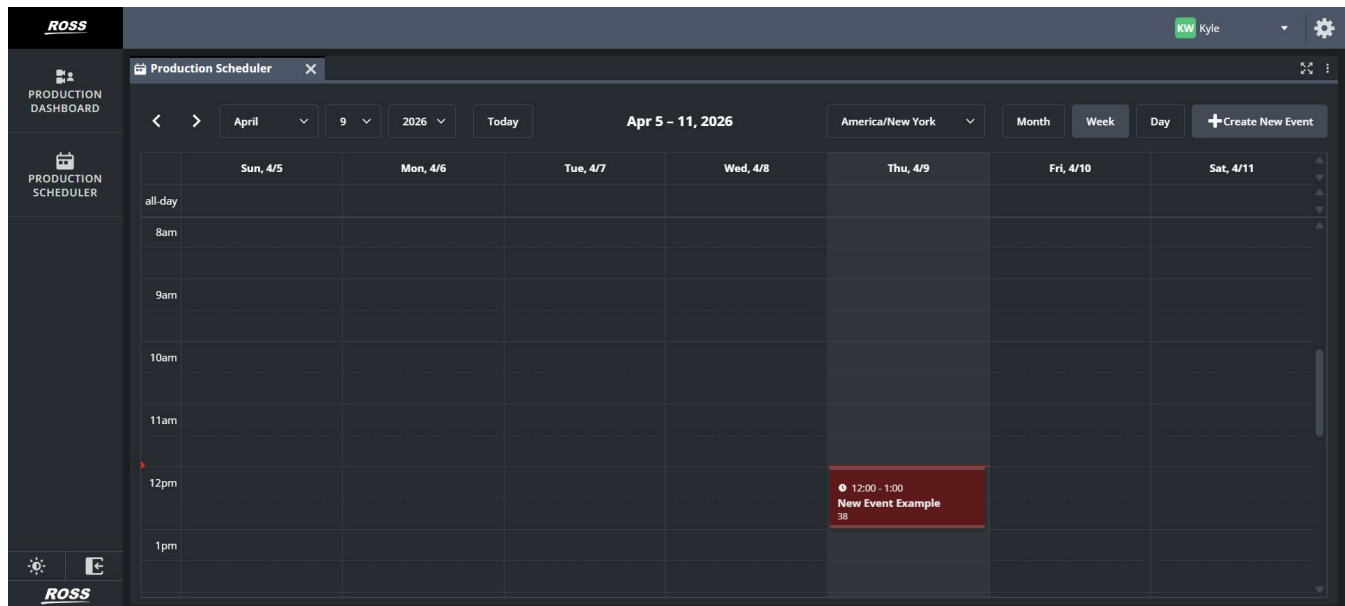


THE CPS PRODUCTION DASHBOARD

THE PRODUCTION SCHEDULER

Scheduling productions is an effective way to keep track of upcoming events. From the Production Scheduler, users can perform the following actions:

- Change the calendar view
- Jump to a specific date
- Change the time zone
- Create a new event
- Edit an event
- Delete an event



THE CPS PRODUCTION SCHEDULER

KNOWN ISSUES

XPRESSON.CLOUD SUPPORT

In CPS v0.5, the Snapshot Manager and Production Builder are displayed in the side navigation for all users. These options should only be visible to administrator accounts.

GETTING HELP

- Our 24-hour hotline service provides access to technical expertise around the clock. After-sales service and technical support is provided directly by Ross Video personnel.
- During business hours (Eastern Standard Time), technical support personnel are available by telephone.
- After hours and on weekends, emergency technical support is available. A telephone-answering device will provide the names and phone numbers of technical support and field service personnel who are on call. These people are available to react to any problem and to do whatever is necessary to ensure customer satisfaction. For serious issue which need urgent attention and tracking, please ensure you are given a ticket number and refer to this in future communications.
 - **Technical Support: (+1) 613-652-4886**
 - **After Hours Emergency: (+1) 613-349-0006**