



**BECS
Release!**

Available today!

**TODAY WE ARE LAUNCHING SOME EXCELLENT NEW FEATURES
IN BECS, MANY OF THEM BASED ON VALUABLE FEEDBACK FROM
OUR CUSTOMERS**

BECS release

Access Log

A robust and secure method, ensuring both accountability and integrity

To provide additional security and to comply with the upcoming EU and UK legislation we will introduce a new framework for logging and storing user activities. This includes, for example, logging access attempts and all activities a user does either via GUI or API.

The theme in the implementation are data integrity, traceability and consistency.

Inside BECS access monitoring

The BECS Access Log Management Solution provides a robust and secure method, ensuring both accountability and integrity. This feature is designed in accordance with the latest legislation and offers a wide range of features and capabilities.

To enhance overall security and provide valuable insights, every access attempt matters and is logged, whether it is granted or denied.



High Availability Supported

For systems with High Availability (HA) pairs, this feature offers seamless synchronization of access logs between pairs. The solution ensures that access logs remain consistent and readily available, even in the event of a failover or system maintenance.

Building upon a sturdy base

Access logs borrows its design from our already tried and proven standard logging system, guaranteeing proper backup procedures for enhanced data integrity and traceability. However, unlike normal logs, certain settings like retention and rotation are configurable, which makes the solution more flexible.

We safeguard against potential disruptions caused by core/cell disconnections or other failures, including those resulting from high-load scenarios, ensuring no loss of access logs.

Consistent approach

Common configuration and formatting of log streams streamline the logging process and ensure consistency across the BECS system. Our approach to maintaining data privacy is to exclude sensitive information, such as clear text passwords, from the logs.

A feature with a future

In the initial feature release, user information, Login timestamp in the BECS, and login methods (external API or webGUI) will be logged. Furthermore, all system calls made during an active session will be logged to enhance visibility into system interactions. future releases of BECS will also support logging a detailed record of activities, such as interactions between the Element Manager and physical hardware.

How to unlock and get started

This feature is included in the original product and is available directly after the upgrade.

Network wide device audits *For ensuring secure configuration*

As a part of our continues work to improve network security we are introducing functionality to do device configuration audits to proactively address any configuration inconsistencies.

A closer look at configuration audit

BECS configuration audit feature employs an auditing process that examines the difference between current configurations used by the devices and the desired configurations defined in BECS. When a mismatch is detected, an alert in the form of a state is generated. These states are aggregated per Element Manager and Cell to provide a clear overview of the discrepancies. In addition, BECS can create a report based on the found mismatches.



The framework is event-based and enables re-occurring checks, for example, on a specific part of the network. The purpose of continuous checks is to find manually introduced mistakes and malicious intents.

How to unlock and get started

This feature is available by seperate licence after you upgraded BECS.

Network on-boarding

For a smooth transition to BECS

Utilizing our Network on-boarding feature allows you to transition your existing network seamlessly, ensuring a controlled, risk-free process that moves at your desired pace.

A common problem

Networks which have grown over time, that have been primarily manually configured, don't always follow the guidelines your business desires and what should be standard configurations aren't always standard. So, there can be inconsistencies across devices making the task of bring a network under control of an automation platform daunting which is why we have developed this feature.



Improved tools

The Network on-boarding product kit comes with add-on tools, ensuring a smooth transition of network devices into BECS with minimal disturbances for both network and end-user. Lately we have added to the existing network on-boarding functionality, one of the key improvements adds the capability to "parametrise" the configuration of imported devices. This means you can import brown-field devices to BECS as static configuration and then gradually increase the level of automation by templating and "parametrising" chunks of configuration piece by piece. The benefit is that you can move an existing network to BECS in a controlled, risk free and gradual process at the pace you choose.

Consolidating configuration

Often, multiple elements share identical configurations. In such instances, these configurations can be consolidated and moved higher within the BECS configuration hierarchy. The same approach also applies to parameters. Consolidation is done per device type for easier future adjustments. Moreover, BECS can be configured to parse configuration automatically and periodically from elements. It also enables you to use both manual and automated processes in parallel giving the organisation time to adapt to changing workflows.



How to unlock and get started

This feature is included in the original product and is available directly after the upgrade.

For more information and an upgrade:

- Please reach out to your dedicated Packetfront contact or to your BECS partner.
 - More information on **Network wide device audits** for actualizer based element managers: Actulizer_User_Guild , chapter 18.2, config-audit
 - **Network on-boarding:** Element-Onboarding User Guide
 - **How to enable access logs from ExtPI:** BECS 3.25.0 Module Command Reference , chapter 6, ExtAPI Command Reference

PacketFront

Software

PacketFront Software

Since 2001, PacketFront Software has delivered efficient automation solutions for telecom operators, city carriers and enterprises in more than 20 countries. Our multi-vendor network orchestrator, BECS, provides true end-to-end network automation - enabling functionality such as zero touch configuration and automated service provisioning for all IP networks. It also offers a seamless migration from legacy networks to SDN and NFV.

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