

BBE - Broadband Business Engine

Modular BSS system for small and medium size telcos supporting open access and vertical business models

BBE core functions

BBE offers network owners and service providers the ultimate system for efficient handling of business processes in broadband networks. Built on the Telecom Management Forum (TMF) NGOSS standard data model, SID, BBE can be used to serve as a business layer between external OSS/BSS systems and network management systems.

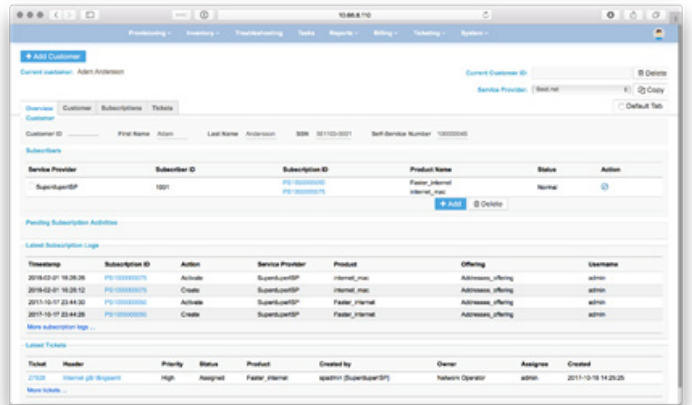
Open access

BBE provides a feature set for open access networks. For example, user rights can be split between the network owner and service providers. A security framework ensures that service providers can only view and manage their own products and customers.

Subscriber Management Tool (SMT)

BBE-SMT provides and maintains a database containing customer data. Examples of the customer data are: end-users' names, addresses, billing IDs, network usernames and service subscriptions, as well as clients' MAC addresses.

BBE-SMT enables creating, searching, editing or deleting an end user in the system as well as adding or removing subscriptions to product offerings.



The Product Management Tool (PMT)

BBE-PMT can be used for any type of services, including services requiring network reconfiguration (e.g. Internet) and non-network-related services (e.g. ordering a new IPTV set top box to a customer).

PMT handles both product packaging as well as your commercial product offerings.

The built-in campaign engine allows you to build time-limited campaigns, that target your specifics, e.g. geographical area or services already bought etc.

BBE-PMT has full life-cycle management of your products. The service provider can manage the life-cycle using conditions such as start of sales and delivery, end of sales and delivery as well as notification periods. These conditions allow service providers to handle the product offering life cycle efficiently and to offer time-limited products while maintaining control.

The system also ensures that customers cannot order conflicting products or terminate/downgrade products while under contract.

Service Selection Portal API (SSP)

The BBE-SSP API simplifies the creation of any type of self-service portal. Whether you want to create a full hospitality like portal or only allow existing customers to do certain modifications, the APIs support it. All activities are happening in real-time, ensuring a great customer experience.

It also allows service providers to create new on-demand services and let end users try services as no human interaction is required. All activities are logged and available for billing and reporting.

Helpdesk Management Tool (HMT)

When used together with BECS network orchestrator, the BBE-HMT tool enables service desk to handle the first line technical support directly. The reduction of trouble reports forwarded to network engineers not only saves OpEx, but also increases the end user experience.

The troubleshooting view shows how the end-user CPE is connected to the core network. BBE-HMT provides troubleshooting information for all network elements and interfaces on this path. It also shows to which CPE port the customer equipment is connected, the type of services delivered to end customer, historical lease/expire times etc.

The verification function checks whether the subscription on a specific port is correctly provisioned. If the service provisioning is incorrect, the repair function can be used to correct the subscription by recreating the element configuration.

Report Generator (RMT)

The Report Generator allows creation of reports based on the BBE database. BBE-RMT is delivered with a set of standard reports. These include: billing, subscription, product and IP address history reports.

In addition, as all information in BBE database is available for report generation, customized reports can be created extracting the exact required information. Reports can also be scheduled to be run at periodic intervals.

All reports can also be accessed via the API, allowing them to be further processed in external systems.

BBE's report generator is based on JasperReports Server Community Edition.

Key Benefits

- Efficient management of residential and enterprise customers
- Flexible Service, Product and Product Life Cycle Management
- API for end user self-service portal
- Simple to use trouble shooting tools for Customer Services
- Stand-alone or integrated with BECS network orchestrator

Technical requirements

- *Operating system:*
RedHat Enterprise Linux 6 or CentOS 6, 32-bit
RedHat Enterprise Linux 7 or CentOS 7, 64-bit
- *Recommended Hardware:*
Intel compatible CPU, minimum 2 GHz, 4 cores and 8 MB cache, 8 GB RAM

*This product requires BBE-Core version 1.8 or later