

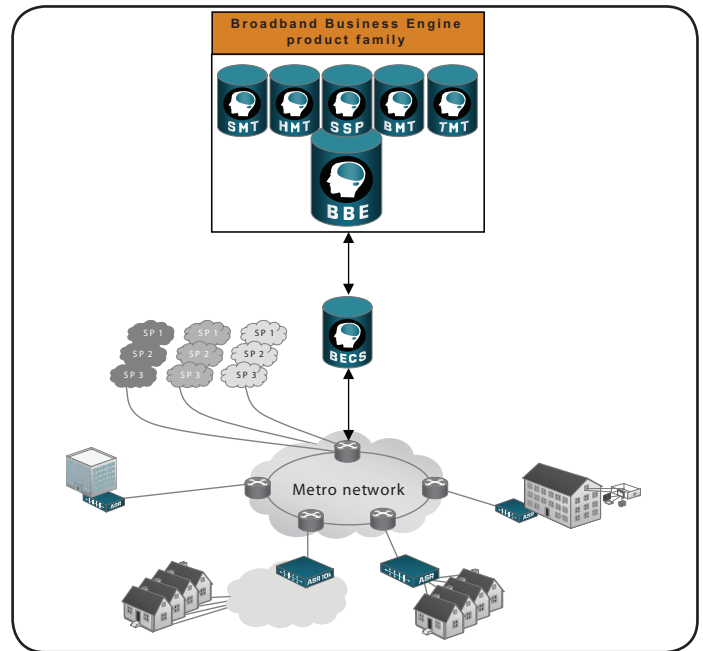
BBE-Core

Broadband Business Engine Core software

Easy and efficient handling of business processes in broadband networks

Key benefits:

- Controls business critical processes for network owners and service providers
- Customizable processes for varied business models
- Service differentiation based on structured network resources
- Industry standards compliant
- Easy to integrate with BSS/OSS systems using XML
- Provides an interface for open access service providers



BBE Core software

The Broadband Business Engine Core software (BBE-Core) is the foundation of the BBE product family. It offers small- and medium-size network owners and service providers the ultimate system for efficient handling of business processes in broadband networks.

BBE-Core can be used to serve as a business layer between external OSS/BSS systems and network management systems. Alternatively, it can be equipped with any of the pre-integrated applications:

- Subscriber Management Tool (SMT)
- Helpdesk Management Tool (HMT)
- Billing Management Tool (BMT)
- Ticket Management Tool (TMT)
- Service Selection Portal (SSP)

Customizable handling of business critical processes

BBE-Core is built with a framework containing the business logic. The process can be customized with a built-in workflow engine to adapt different business environment.

A process consists of a sequence of steps, which can be performed by a person, a Java class, a script, etc. The user can design processes using an external tool and deploy it into the BBE. The process definition should conform to the Business Process Model and Notation (BPMN) 2.0 standard.

The BBE product family also provides external interfaces for the underlying network management systems, databases and other OSS/BSS platforms.

Service differentiation based on structured network resources

BBE-Core provides a way of structuring network resources within the network. The user view of the network topology is presented as a tree structure, making it possible to select specific nodes in the network for delivering services. A service can be defined for delivery to only those nodes and delivery addresses that fulfill certain criteria, e.g. that have a minimum bandwidth or belong to certain demographic groups.

This possibility to create a structured view of the network nodes gives both network owners and service providers the flexibility necessary for service differentiation.

Open and standards compliant tool

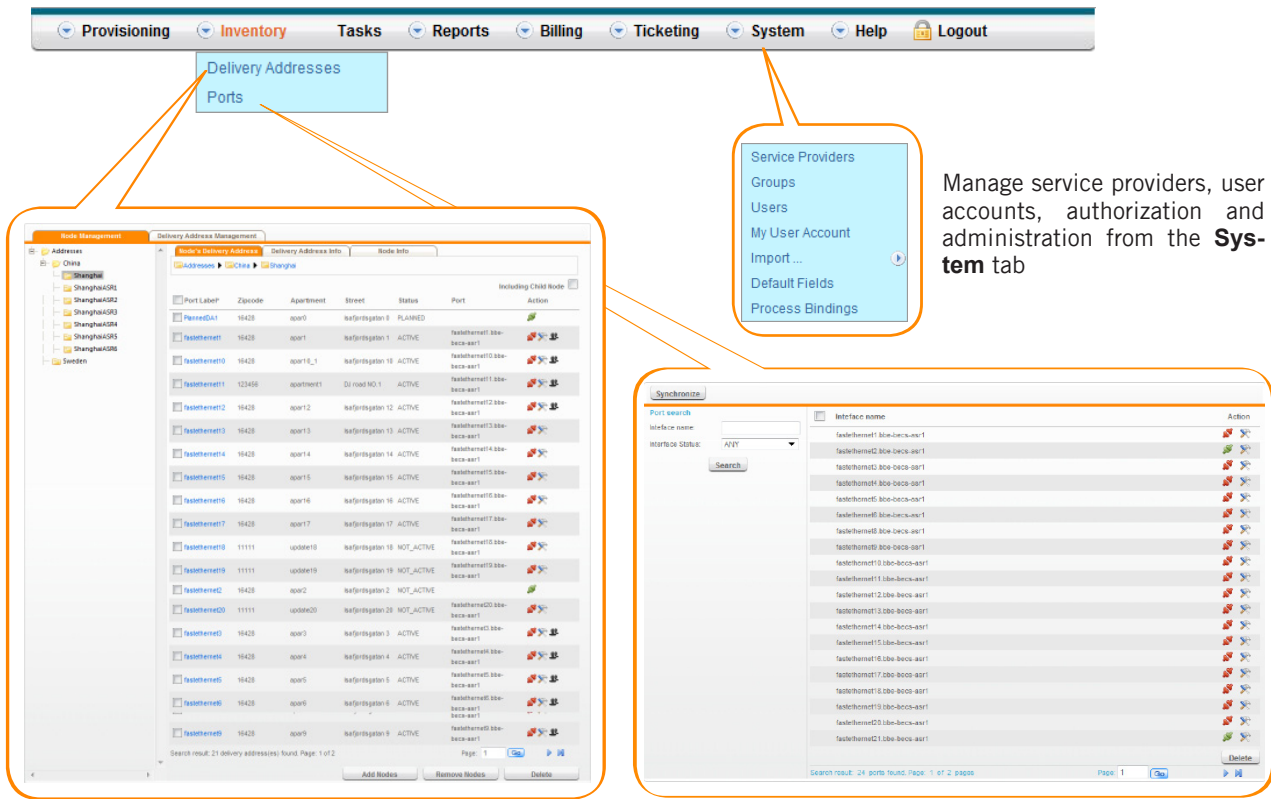
Built on the Telecom Management Forum (TMF) NGOSS standard data model, SID, BBE-Core is seamlessly integrated with a number of business process applications, e.g. SMT, HMT, BMT, TMT, and SSP. BBE-Core is also easily integrated with external business applications using SOAP XML.

Modular design avoids "lock-ins"

The BBE product suite is modular and enables networks owners to apply a "pay-as-you-grow" approach to networking, and also avoids being locked into a fixed system design.

Furthermore, BBE provides a flexible solution for open access networks. Ownership and management of BBE modules can be split between the network owner and service providers. A security framework ensures that a service provider can only access and manage their own products and customers.

For quick and easy access, the business application modules are integrated as individual tabs in the main menu.



Manage service providers, user accounts, authorization and administration from the **System** tab

Under **Inventory > Delivery Address**, you can see an overview of the network topology in the navigation tree and details about the delivery addresses and nodes in the work space. Links to other functionalities, such as, port management, troubleshooting, and subscription management are also provided in the work space.

Under **Inventory > Ports**, all ports of the network elements are listed. The port information is adopted from BECS and is automatically synchronized.

Technical requirements

BBE-Core 1.8 or later. Other technical requirements are based on the operating system:

Operating system	Solaris 10	Redhat Enterprise Server 5.4
Recommended hardware	SUN V215, Netra 210, or T1000, 8 GB RAM, or equivalent	Intel Xeon X340@2.53 GHZ with 4 CPUs, 8 MB cache, 8 GB RAM, or equivalent
Database	PostgreSQL 8.2	PostgreSQL 8.2
Java	JDK 6	JDK 6
Application server	GlassFish Open Source Edition 3.0.1	GlassFish Open Source Edition 3.0.1
BECS	BECS 3.9	BECS 3.9