



ACTIVATOR™ for the Always-On Server (AOS)



Key business benefits from Activator:

- Future-proof support for new devices and services
- Shorter time to bill
- Reduced manpower requirements and service roll-out costs
- Improved service assurance levels
- Significant reporting facilities
- Increase your level of service and revenue without increasing staff and costs.

Activator is a flow-through activation and provisioning system. It is designed to streamline the rollout and maintenance of the new generation of managed and semi-managed network services.

Activator consists of a management platform with licensable options and various plug-ins to provide integration capabilities and application specific functions. This makes for a highly scalable management solution that grows with the provider's service. Activator brings the attributes of high-end management to mass-market access networks, allowing new levels of service delivery to be provided.

Large Scale Service Provisioning

Activator provides the solution to the problem of managing large volumes of configuration data by building on industrial strength relational database technology to support large-scale deployment of subscribers.

Activator not only manages the storage, organisation, manipulation and distribution of millions of configuration parameters, it also offers features that streamline the provisioning and continuing maintenance of the network data.

Configuration Management

Service Profiles

A service is a general classification that identifies the type of service you are offering an end-user.

A profile is a baseline configuration that provides the common attributes that characterise a service.

Service profiles enable you to define service parameters that are common to all subscribers or a portion of subscribers. Using service profiles, you can store, organise, manipulate, and distribute configuration parameters.

Service profiles allow service modification and software updates based on the profile. Changes to the profiles are automatically propagated to subscribers that are based on the profile.

Quick Pages

Activator Quick Pages make managing profiles very easy. During service design, network specialists use the Quick Page Editor to define the fields that are common to a profile and the fields that are unique to a subscriber.

The network specialist places the unique fields on a Quick Page. Operators with basic technical training use the Quick Pages to provision managed subscribers. Because only the unique fields are available, operator-introduced errors are less likely.

Systems Integration

Activator integrates with OSS and network elements and with other best-of-breed management solutions for general purpose fault and status management. The Activator user interface is web-based throughout, providing maximum flexibility for console integration.

OSS Integrator for AOS

The OSS Integrator is a plug-in module that provides a mediation function between Activator and the service provider's Operational Support System (OSS) that allows Activator to obtain device or customer specific information from the OSS. This is combined with parameters from a specified profile to create a complete parameter set that can be used to autoprovision a subscriber installation. The network specialist is removed from daily provisioning.

The OSS Integrator plug-in continuously interacts with the OSS used for configuring the service and defining the integration data. Integration technologies include structured text (CSV/TSV) and XML.



AOS Subscriber Management

The AOS Subscriber Management plug-in is an application plug-in that allows Activator to provision all host subscribers to the Virtual Access Always-On Server (AOS).

Activator centrally manages the per-subscriber host configuration. The provisioning information for the subscriber host is downloaded from Activator to the AOS, and the AOS maintains a cache of the latest subscriber configuration. The cache is used to apply the appropriate provisioning to a particular subscriber host. Activator ensures that the subscriber host information on the Activator database is synchronised with the AOS network.

AOS Subscriber Manager Plug-in Features

Closed User Groups

An AOS can support many subscriber records. Each subscriber is assigned to a Closed User Group (CUG). CUGs provide a security mechanism inside X.25 networks to prevent unauthorised access between different Data Terminal Equipment (DTEs). This works so that particular users are grouped together into a CUG with certain access rights assigned within the group. Each subscriber can be a member of up to 10 CUGs.

Synchronisation Report

The AOS Subscriber Management plug-in allows for complete synchronisation between Activator and the subscriber's customers. When edits and modifications are carried out on Activator, it is necessary to synchronise all subscriber information per device.

Provision all Subscribers

The AOS Subscriber Manager plug-in allows the administrator to fully provision a target set of subscribers.

Management Link

The Management Link transfers data from Activator to the AOS. The Management Link Options allow you to define the parameters of the protocol. The Management Link Activity Log allows you to view all the activities across the protocol.

Key Activator Features

•	Dynamic device definition
•	Dynamic service definition
•	Automatic service provisioning
•	OSS Integration
•	AOS Subscriber Management
•	Internet accessibility
•	Inventory management
•	Robust and resilient

Key Business Benefits from Activator

•	Future-proof support for new devices and services
•	Shorter time to bill
•	Reduced manpower requirements and service roll-out costs
•	Improved service assurance levels
•	Significant reporting facilities
•	Increase your level of service and revenue without increasing staff and costs.

Hardware

	Minimum Requirements	Recommended Requirements
Processor	2GHz	3GHz or faster
Memory	4GB	4GB or more
Storage	200GB (no RAID), 7600RPM or better	2 x 200GB (RAID 1) and 4 x 250GB (RAID 5), 7600RPM or better
Integrated Network Card 1	Standard 10/100/1000 Base T or equivalent	Standard 10/100/1000 Base T or equivalent
Integrated Network Card 2	Not required	Standard 10/100/1000 Base T or equivalent
Power Supply	No special requirements	2 power supplies (for redundancy)

Software

Component	Description	Software Version	Service Pack	License Requirements
Operating System	Windows Server 2008 Standard or Enterprise Edition	Microsoft® Windows® 2008 (32-bit)	2	1 server license for Windows Server
Database Software	Microsoft® SQL Server Standard or Enterprise Edition	Microsoft® SQL Server 2000 Standard Edition	4	1 processor license
Application Support Software	.NET Framework Note: this is usually pre-installed with OS. To verify it has been installed see Windows Administrative Tools.	2.0	None	None
Application Support Software	Sun Java Virtual Machine	1.5; must not be 1.6 or later	None	Free download