C7 R7.0 Evolution Services

D E S C R I P T I O N

With C7 Platform Release 7.0, Calix is committed to making it simple to evolve your network from SONET to 10GE, from ADSL2+ to VDSL2, or from copper to fiber. In addition to software tools, comprehensive documentation, and training, Calix also provides a suite of professional services for network evolution, including:

- Pre-7.0 Evolution Network Audit
- Evolution to R7.0 Software (Upgrade)
- Evolution from VCVT to AVT (SONET Transport)
- Evolution from SONET to Ethernet Transport

P R E - 7 . 0   N E T W O R K   A U D I T

The Network Audit is a painstaking, comprehensive procedure that identifies potential issues in your access network that need addressing before you upgrade to R7.0 or migrate to the EXA Powered architecture. Network Audit components include:

- 7.0 pre-upgrade analysis
- Bandwidth utilization analysis
- Protection evaluation (equipment and link)
- Provisioning assessment
- Timing verification
- File system inspection

After performing a Network Audit, a Calix Professional Services engineer generates a formal audit summary document, which includes recommendations for optimizing your network in preparation for the 7.0 upgrade.

E V O L U T I O N   T O   R 7 . 0   S O F T W A R E   (U P G R A D E)

Calix Professional Services can handle every aspect of upgrading your Calix software to R7.0. Calix certified engineers ensure a successful upgrade process, from start to finish.

Included in this package:

- Conference calls for planning and scheduling
- Custom MOP for your network
- General network analysis to ensure that the network is ready for the upgrade
- Full upgrade (Staged and Automatic)
- Backup of databases before and after upgrade
- Project manager assigned to oversee entire project

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EVOLUTION FROM VCVT TO AVT (SONET TRANSPORT)

Release 7.0 introduces Aggregated Video Transport (AVT), which provides numerous benefits, including a simplified architecture, more consistent performance, easier troubleshooting, and greater channel capacity. Whether you choose to stay with SONET transport or move to 10GE, this new video model will greatly improve your network.

Experienced Calix certified engineers will perform all software conversion procedures to evolve your network to the AVT model, including:

- Conference calls for planning and scheduling
- Creation of custom MOPs for your network to ensure successful implementation of the AVT model
- Removal of the old VCVT video provisioning and provisioning of the AVT model during a maintenance window
- Database backup before and after procedures
- Verification of successful AVT model video service deployment
- Project manager assigned to oversee entire project

EVOLUTION FROM SONET TO ETHERNET TRANSPORT

These services are performed after your upgrade to R7.0 is complete. While you're responsible for the physical network changes, Calix will handle all software changes and new Calix hardware provisioning, including de-provisioning the old SONET ring once all traffic has been moved.

This package includes:

- **Transport:** Implementation of 10GE hardware, 10GE ring turn-up and testing
- **Voice:** Migration of existing TDM, SIP, or H.248 voice services to 10GE transport
- **Data:** Migration of data services to 10GE transport (multiprotocol or EXA Powered line cards)
- **Video:** Migration of video services from SONET to 10GE transport
- **Project manager assigned to oversee entire project**

For details on how Calix Professional Services can accelerate your network evolution, contact professionalservices@calix.com.