At a Glance

- Scales to thousands of users
- Puts bandwidth management in the hands of the IT administrators—as it should be

AVISTAR

Avistar C3 Command™

One of the things that keeps IT managers up at night is the successful integration of unified communications (UC) products on their networks. While UC products can take enterprise-wide business processes to a new level, their real-time interactive communications requirements can put a strain on enterprise IP networks. If not managed adequately, it can overwhelm other traffic sharing their networks.

With more than 15 years experience in desktop video communications, Avistar has developed a patent-protected technology that empowers administrators to manage the bandwidth issue and make unified communications tools run well throughout the organization. The Avistar C3 Command™ solution addresses dynamic network bandwidth management, and the collection of tools necessary to manage the stress that UC applications put on the underlying communications infrastructure. Embedded in the Avistar C3™ desktop videoconferencing platform and also available for licensing by technology partners to include in their own UC offerings, the Avistar C3 Command™ solution addresses the major challenge in widespread adoption of unified communications.

The Avistar C3 Command™ solution offers three main features. First, it relegates control over the amount of bandwidth used for audio and video calls from the end-user to the administrator. This is done through centrally provisioned policies that specify audio and video call rates based on class of user, endpoint capabilities, user preferences and network conditions.

The Avistar C3 Command™ solution also constrains the amount of bandwidth used by UC to limit the impact on other network applications. For example, the Avistar C3 Command™ solution users can make video calls without worrying that SAP, Citrix or another application will be affected.

Finally, the Avistar C3 Command™ solution protects bandwidth allocated to UC from other traffic sharing the network uses to optimize the Quality of Experience (QoE) to the end user. It ensures that the amount of bandwidth required for the conversation is available for the duration of the call and is a high quality-of-experience to the end user.

While many systems on the market today give users the ability to manage a call, the Avistar C3 Command™ solution is the only one that puts that responsibility firmly in the hands of the administrator, who is managing IC applications across the company.

The Avistar C3 Command™ Solution

Benefits

- **Avoid the need for expensive network upgrades** – Realize the ROI of UC immediately by adding network capacity where absolutely necessary, based on real usage data.
- **Protect your investment** – Use bandwidth controls to limit the impact of UC on other network applications, which lets enterprises protect their investments and avoid costly business interruptions.
- **Simplify management** – Leverage uniform policy management interfaces to simplify dynamic network management administration.
- **Ensure high level Quality of Experience** – Guarantee high level QoE for UC applications, which preserves the ROI of UC applications by optimizing their effectiveness.
- **Manage UC as a whole** – Rather than individual UC applications enabling bandwidth pooling ("pipesharing"), avoid the need for dedicated application bandwidth and associated over-provisioning.

Features

- Dynamic bandwidth management component for unified communication solutions
- Easily integrates with existing environments using SIP
- Centrally provisioned call rates policies
- Differentiated call rates based on class of user, location and network conditions
- Network topology modeling with support for up to 2000 sites
- Constrain bandwidth usage within a site and between sites or regions
- Define peak utilization values for all network elements
- Integrated home-business users and business travelers alike support including VPN and Internet Users
- User management integration with corporate directories (Active Directory, Lotus Domino, etc.) via LDAP
- Automatic site grouping to ease site and call rate policy administration
- Simple, web-based administration tool for configuration, management and monitoring
- Centralized logging of system usage and bandwidth utilization
- Up to 50 calls per second
- Up to 10,000 concurrent calls
- SIP APIs for signaling
- REST APIs for provisioning and management

System Requirements

- Operating System: Windows Server 2008
- Processor: Dual core processor at 2.0 GHz or higher
- Memory: 512 MB
- Disk space: 5 GB
- Virtual Servers: Supported; requires dedicated resources
- Required Database: Microsoft Window SQL Server 2008 for configuration
- Optional Database: Microsoft SQL Server 2008 for usage and system logging
- Processor and memory requirements vary based on the number of concurrent calls, above system requirements will support up to 250 concurrent calls.
- Web-browser: Internet Explorer v7.0 and v8.0, Firefox v3.5

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