Cloud Application Fabric™

Highly Available Cloud Solutions

Cistera’s Cloud Application Fabric is the most advanced cloud solution that provides advanced Unified Communications workflow and applications for Event Alerting and Notification and Quality Assurance and Management.

The Cistera Application Fabric scales up to support organizations with thousands of users and scales down for offices with fewer than one hundred users, making it the alternative for a broad range of enterprises and organizations.

The Cistera solution has two key components, the Cistera Cloud Application Fabric and Cistera Cloud Application Components.

The Cistera Application Fabric is based on Enterprise Linux LTS. A highly tolerant and secure implementation of the advanced server operating system. It includes a virtualization engine, high speed enterprise database, SIP media engine and Cistera administration components.

Cistera Cloud Application Components reside on the Cistera Application Fabric and utilize the underlying capability to deliver advanced workflow functionality to desktops, fixed and mobile devices.

The overall Cistera Cloud framework utilizes the latest in virtualized servers and Software Defined Networks (SDN) to deliver capability when and where needed. With Software Defined Networks (SDN) the limitations of hardware centric networking such as mirroring and spanning have been removed. Applications can now target capability anywhere in the cloud. Virtualization has delivered a new level of capability in administration; User Management, Security, Reporting, Backup and Recovery.

Our Vision
Cistera’s award-winning platform, The Cistera Application Fabric delivers the most reliable, scalable and secure services for UC-centric workflow, analysis and reporting capability available today.

Our Philosophy
The future of the enterprise is a highly scalable, secure and reliable cloud infrastructure for the real-time delivery of application capability.

Our Mission
Cistera Networks is a leading provider of communications workflow infrastructure for large-scale enterprises and government.

KEY FEATURES

Cistera Application Fabric:
- Single Point Administration reduces the complexity and manageability of Unified Communications Environment
- Integrated User Administration, One Cloud, One User dramatically improves ease of use and manageability.
- Integrated security into the cloud moves from basic perimeter security to embedded multiple SDN security fabric
- Integrated Reporting Engine offers a dramatically improved view of Unified Communications Environment. If it is captured it can be reported.
- Centralized imaging, backup and recovery dramatically improves customer capability in the cloud
Application Fabric

Industry Certifications
- Cistera partners with Raytheon TCS Security Blanket to meet the highest level of security available today
- Defense Department Certifications and Authority to Operate (ATO)
- Payment Card Industry (PCI) Certification Capable
- Healthcare Insurance Portability and Accountability (HIPAA)

Cisco Specific Implementations
- Cisco CUCM and CUCM Express
- Cisco Extension Mobility (CEM)
- Cisco XML Extensions (AXL)
- Multicluster Support with Superprovider load balancing
- Cisco Unified Mobile Communicator
- Cisco Unity Messaging

Open Implementations
- T1 and E1 interfaces for interconnection to PRI lines and channel banks
- SIP Trunking
- ADSI, IAX, SIP, H.323 (as both client and gateway), MGCP and SCCP
- Single to quad port analog FXO and FXS
- BRI (ISDN2)

Enterprise Database Administration
- Based on MySQL Enterprise Database
- Multi-Version Concurrency Control
- Role separation for regulatory compliance and full audit capabilities
- Robust XA transaction support
- Hot online automated backup, parallel restore and in place upgrades
- Scalable architecture
- Extensive Platform Support
- Security features for Sarbanes Oxley / HIPPA compliance

Enterprise Linux OS
- Based on CentOS Long Term Support Distribution
- Linux 2.6 Kernel
- Improved Virtualization performance and scaleability
- Improved Windows interoperability and file system support
- Reliability, Availability, and Serviceability (RAS)
- High Availability including RAID 0,1,5,6 and 10
- Enhanced Power Management
- Rapid RPM based Deployment
- Installation, Updates, and Deployment Manager
- Designed in Security Implementation
- Implements Raytheon TCS Security Blanket
- POP/SMTP/IMAP Services
- Simple Network Management Protocol (SNMP) Integration
- SIP Media Management
- Certificate and Key Management

Platform Components

QuickConference
Cistera’s QuickConference offers high-level conferencing capabilities with easy-to-use administration. QuickConference gives every organization an advanced means to host multi-channel, multi-user conferences - a key to successful communications. QuickConference is tightly integrated into the IP telephony environment to provide an unparalleled user experience.

Virtual Directory
VirtualDirectory is a robust, voice-enabled directory system that allows telephone users, both internal and external, to traverse corporate information quickly without time consuming tree-based systems. Ideal for hospital and satellite clinic directories, callers can effortlessly find one or voice a call for information or to be directed to the appropriate extension.

Presence Manager
Cistera Presence Manager allows telework environments to declare presence, or call the presence of others, for all Cistera Application Engines. The Presence Manager allows users to tailor their environments based on multiple factors, including physical presence and availability. PresenceManager can manage almost any file conversion to request information or to be directed to the appropriate extension.

QuickStream
Quickstream can manage almost any file conversion necessary.

ContentStreamer
ContentStreamer enables the management and storage of multiple media objects that are used in the UC environment. ContentStreamer can accept, convert then render media objects on IP phones and mobile devices. Using ffmpeg file conversion natively on the server, ContentStreamer can manage almost any file format.
Ordering Information

Cistera Networks markets, sells, and fulfills orders for its products and services through a robust channel of authorized solution providers.

For More Information

For more information about Cistera, visit www.cistera.com or contact your local Cistera Representative or authorized reseller partner.

Cistera Networks is a leading provider of Cloud Enterprise Communications. The company blends a powerful application fabric with industry-specific business processes, to deliver the benefits of real-time convergence to the user. Cistera’s industry-leading cloud application fabric delivers the most reliable, scalable and secure application services for communications available today. Its broad portfolio of application services enables users to improve customer service and satisfaction, increase productivity and collaboration, improve responsiveness to critical incidents and to provide a safer environment.

Based on open standards and a proven cloud technology foundation, the award-winning Cistera Application Fabric has a single unified administration which delivers the lowest total cost of ownership in the industry. It enables customers to create robust and scalable environments that are flexible enough to adapt to their changing needs by scaling up to support from fewer than one hundred to thousands of users, and scaling out to support multiple sites, making it ideal for a broad range of organizations.

Service and Support

Cistera provides technical service and support for the company’s products for reseller partners and customers globally. For technical support, contact Cistera at 866.965.8243 or support@cistera.com.

Related Documentation

Additional information is available at http://www.cistera.com

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