AS

Nortel Migration – Federal Government

JITC Certified Solution that Shares a Nortel Heritage

Ribbon Communications' Application Server is a JITC ESC and LSC certified solution that shares its Nortel heritage with the AS 5300. It is uniquely qualified to a provide migration solution for legacy AS 5300, CS 2100 and SL-100 deployments.

Moving Forward

Ribbon acquired the Nortel Carrier business in 2010 and has invested hundreds of millions of dollars modernizing some of the communication industry's most trusted solutions. The Ribbon Application Server is no exception. While its heritage is the venerable Nortel AS 5300, today it has a modern, virtualized architecture that can be deployed on commercial off-the-shelf (COTS) hardware; on premises or in a private cloud. The AS is built around industry standards so it supports a multitude of end points, gateways and peripherals – reducing the cost of deployments and assuring investment protection for future migrations.

Common Experiences - Simplifying Migrations

Ribbon understands that migrating mission critical communications is not trivial. Thankfully, personnel experienced with Nortel platforms will feel comfortable with both administration and end user services of the Ribbon AS. As an example, the administration tools for the AS are nearly identical to the legacy AS 5300 and the end user softphone includes a legacy UI choice from the Nortel experience. This familiarity expedites the migration process and reduces the need (and associated expense) for administrator and end user training.
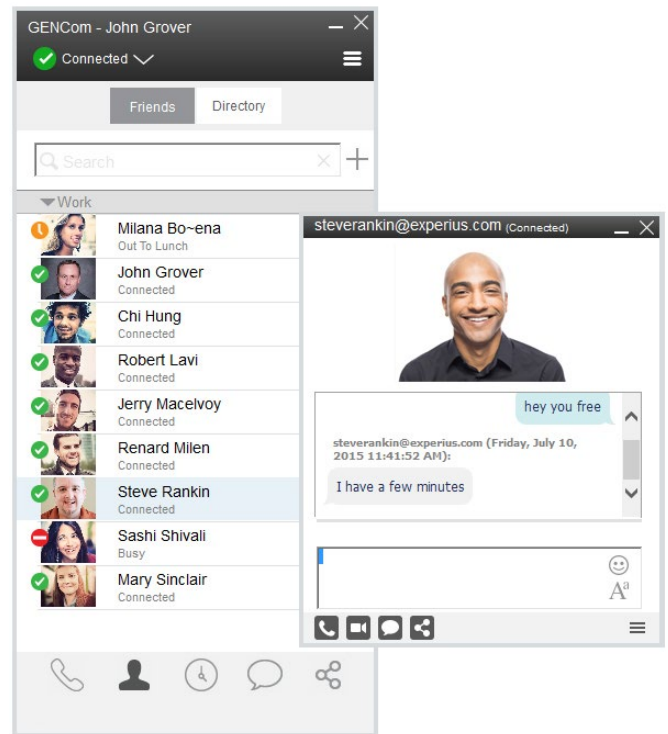
Unrivaled Scale and Reliability

It's no surprise that over 150 service providers and many of the nation's largest hospitals and educational institutions already rely on the Ribbon AS. Ribbon understands how to build mission critical solutions with full geographic redundancy. The AS also has the capacity to support hundreds of thousands of users on the same instance; making it ideal for a private cloud deployment. Unlike the competition, there is no need to "glue" together multiple systems to achieve scale or resiliency.

The Wait is Over

Many DoD organizations have held back waiting to migrate legacy Nortel deployments, hoping for a better answer. Ribbon's JITC certified solution is here to answer that call.

Proprietary Endpoints – Not Required

- Teo, Polycom and other SIP compliant endpoints
- Ribbon Windows Client
- Investment protection for future migrations
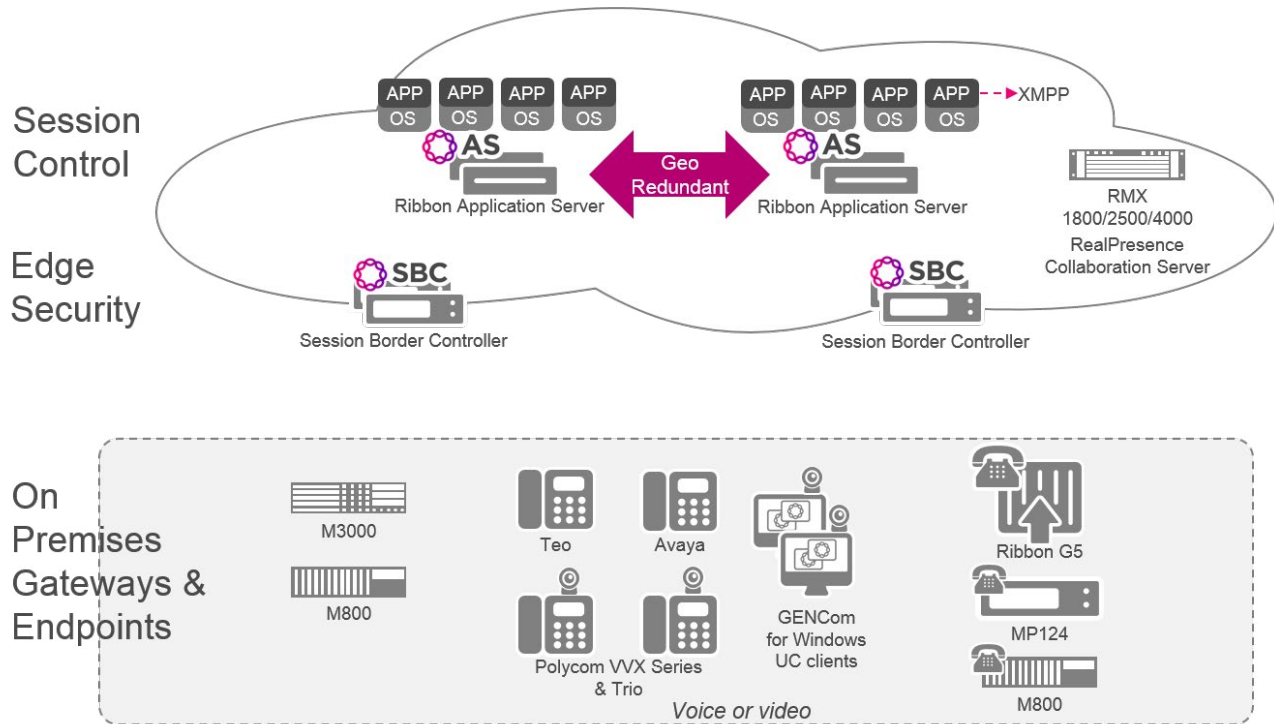
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Secure Ribbon SBCs

Ribbon provides a choice of JITC certified session border controllers which include the SBC 5110, SBC 5210, SBC 5400, SBC 7000 or SBC SWe (virtualized). Ribbon SBCs protect endpoint instruments as well as SIP trunks between sites or to the PSTN.

Ribbon separates the security, media and session-processing functions into distinct hardware and software components to retain overall performance capacity under networks attacks, even with heavy encryption or transcoding loads.

High Density Analog

Ribbon has a cost effective solution for large scale analog device migrations. Unlike our competition. Ribbon's G5 Analog Gateway can reuse, long-loop, legacy copper cable and avoid massive infrastructure upgrades. Ribbon's G5 Analog Line Gateway supports up to 768 endpoints per chassis and loop lengths greater than 20,000 feet.

The G5 gateway can be the difference maker in terms of making a migration to IP cost effective.
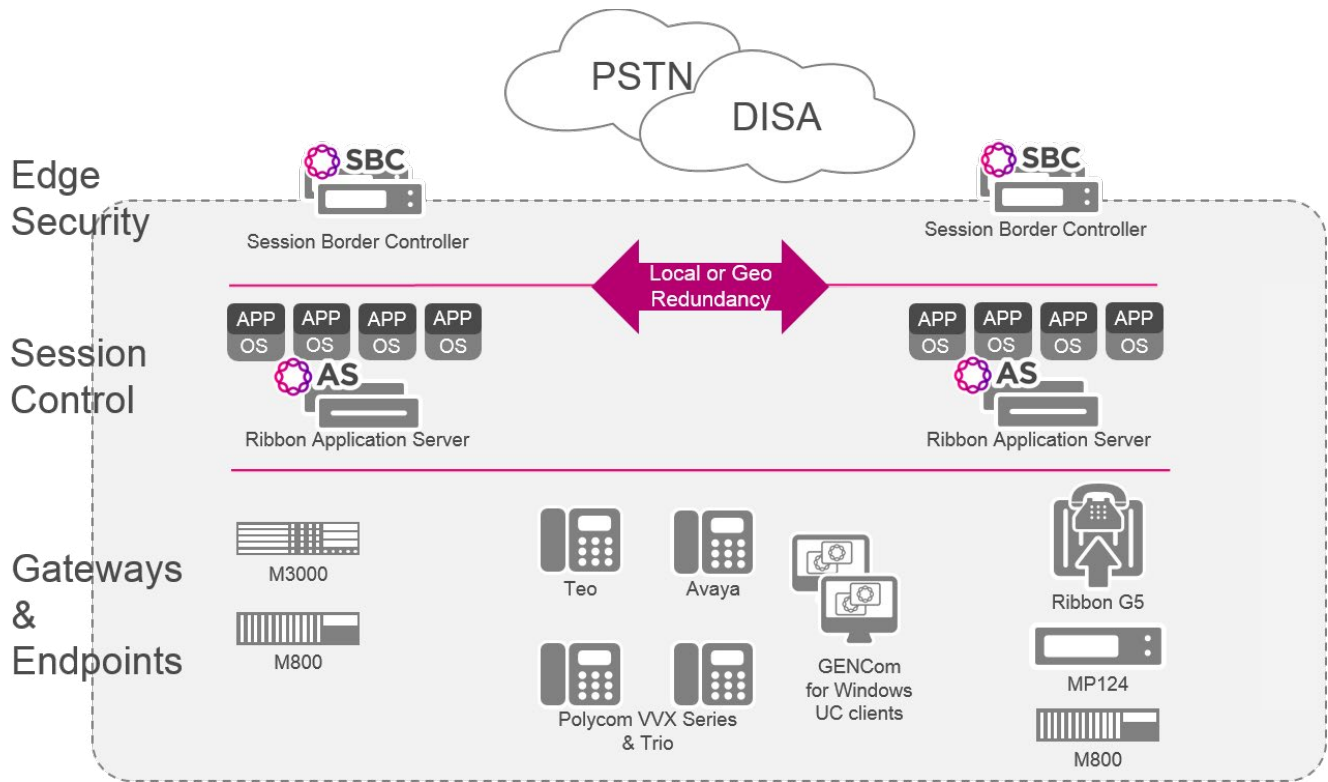

Enterprise Session Controller Deployment

Private Cloud Deployment (ESC)

The Ribbon AS' fully virtualized architecture is ideal for private cloud deployment. A geo redundant architecture assures uptime and it easily scales to millions of users, so no organization will outgrow it. It's no surprise that this architecture is already deployed in carrier networks worldwide and is a key element of the some of the nation's largest medical facilities and universities.

- The scale of a Ribbon solution eliminates the cost of maintaining and managing local PBXs or key systems.

- This deployment architecture is idealy suited for all branches of the military as they deploy far more centralized solutions from the cloud.

- PSTN access is provided via PSTN gateways or SIP trunks. Local gateways can support local PSTN breakout.

- Endpoints choices include traditional analog phones, Teo secure phones, legacy Avaya 1120/1140 with SIP and Polycom VVX phones.

- Desktop video can be supported from clients, VVX pphones and Polycom Trios

- Ribbon softphones provide a modern UC interface as well as a legacy interface that is similar to the Nortel soft- phone interface, simplifying migrations.

Local Session Controller Deployment

Premises Deployment (LSC)

Ribbon's Application Server is deployed in redundant pairs (they can be geographically dispersed) on commercial off-the-shelf hardware (COTS). The AS architecture is fully virtualized so scaling of individual solution elements, such as the media server, can be managed independently of call processing. Regardless of size, a single instance can support all of the users, there is no need to interconnect multiple systems to gain scale.

- Long term, the virtualized architecture eliminates dependency on a specific hardware profile and simplifies replacement or migration of aging/failing hardware with modern equivalents.

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Contact Us   We are here to help. Let us know if you are interested in a quote or if you have any questions.

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