![redhat logo]

STT CONNECT INCREASES PRIVATE CLOUD COMPETITIVENESS WITH RED HAT

STTelemedia Connect

ST Telemedia Connect (STT Connect) partners with technology leaders to build high-performance private cloud infrastructure and solutions. To build its cloud on a flexible, supported open source platform, STT Connect partnered with Red Hat to deploy Red Hat OpenStack Platform, Red Hat Ansible Tower, and other enterprise Red Hat software. These solutions helped the company create an agile and efficient—yet secure—web-scale cloud infrastructure. STT Connect became the first cloud company in Singapore to achieve the highest level Multi-Tier Cloud Security (MTCS) certification with an OpenStack private cloud.

SOFTWARE

Red Hat® OpenStack®
Platform

Red Hat Ceph Storage

Red Hat Satellite

Red Hat Ansible® Tower

HARDWARE

Dell EMC PowerEdge R630
and R730 servers with
storage expansion bays

Dell Networking
S6000 switches

Big Cloud Fabric

Big Monitoring Fabric

SERVICES

Red Hat Consulting

Red Hat Learning
Subscription

Singapore ●

HEADQUARTERS

I.T. AND CLOUD COMPUTING SERVICES

BENEFITS

- Increased operational and cost efficiency, including reducing datacenter footprint by 50% and total cost of ownership (TCO) by 15%

- Enhanced scalability and agility to meet evolving needs while maintaining security

- Eliminated vendor lock-in and gained access to open source innovation

> "*Cloud is a fast-moving industry, where technologies are always evolving and customer expectations for performance and agility are constantly increasing. Partnering with Red Hat has helped us to stay responsive to changes and offer enhanced features in our cloud solutions while maintaining security.*"
>
> DAVID ROBINSON
> CHIEF TECHNOLOGY OFFICER,
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MEETING STRICT CRITERIA FOR OPEN SOURCE CLOUD PLATFORM

ST Telemedia Connect (STT Connect) builds and manages secure private cloud platforms that meet enterprises' and governments' strict requirements for high-performance computing, networking, and data storage.

To focus on helping its customers solve the multiple challenges of modernizing their businesses, STT Connect sought to build its private cloud on a flexible, open source cloud platform. The company outlined strict requirements for a potential solution, including:

- Optimal compatibility with existing and future systems and applications, including support for the latest technologies.

- Flexibility and scalability to meet businesses' changing needs while supporting enterprise-grade service-level agreements.

- Enhanced automation and operational efficiency.

DEPLOYING ENTERPRISE OPEN SOURCE SOFTWARE

STT Connect evaluated several open source solutions before deciding to enhance its cloud features and business efficiency with Red Hat OpenStack Platform. "During our analysis, Red Hat emerged as the best partner with the best product," said David. "Red Hat had the necessary certifications with major vendors, as well as enterprise expertise and local presence, and its software met the highest security standards."

The company also supports its cloud infrastructure with several other Red Hat solutions, including:

- **Red Hat Ceph Storage** to let customers create virtual machines (VMs) based on Red Hat Enterprise Linux® or Microsoft Windows.

- **Red Hat Ansible Tower** for enhanced efficiency through end-to-end automation of workflows–including deployment, provisioning, and configuration management–as well as compatibility with existing systems and applications.

- **Red Hat Satellite** to ensure its Red Hat tools are running efficiently and in compliance with required standards.

To plan, design, and implement this environment, STT Connect worked closely with Red Hat Consulting. In addition, the company purchased Red Hat Learning Subscriptions to gain 24x7 access to Red Hat's complete online training curriculum.

"We have strict criteria in building an agile yet secure cloud, and Red Hat did an amazing job in helping us meet them," said David.

IMPROVING COMPETITIVENESS WITH INNOVATIVE I.T. AND SERVICES

ENHANCED OPERATIONAL AND COST EFFICIENCY

With automation from Red Hat Ansible Tower, STT Connect reduced human error and ensured consistency in its workflow processes from deployment to ongoing management—including provisioning and customer onboarding. In particular, the company further increased staff productivity by reassigning two team members from maintenance to focus on value-generating work.

The company's Red Hat solutions also help it deploy underlying systems and launch new services to market faster. For example, the company deployed a second datacenter—from preparation and deployment to post-deployment testing—in a quarter of the time spent on its previous deployment. The company can also scale resources more efficiently to meet growing demands.

As a result of these improvements, STT Connect reduced its replaced with TCO by 15% and improved datacenter costs with a 50% footprint reduction.

"Our customers noticed the improvements after we enhanced our infrastructure with Red Hat," said David. "Scalability is important to our customers and hence to us. Red Hat technologies help us quickly scale our infrastructure to meet the needs of the most demanding customers."

ACHIEVED INDUSTRY RECOGNITION WITH AGILE YET SECURE INFRASTRUCTURE

Through its success in creating an agile yet secure web-scale cloud infrastructure on its Red Hat environment, STT Connect became the first cloud provider in Singapore running OpenStack to achieve Multi-Tier Cloud Security (MTCS) Level 3 certification. This achievement places STT Connect among leading global cloud companies and certifies the company's ability to meet the most stringent enterprise cloud security requirements in protecting critical data, such as medical and financial records.

"Cloud is a fast-moving industry, where technologies are always evolving and customer expectations for performance and agility are constantly increasing. Partnering with Red Hat has helped us stay responsive to changes and offer enhanced features in our cloud solutions while maintaining security," said David. "In addition to positive feedback from all migrated customers on the increased stability and ease of use, we've experienced an increase in orders from key clients."

GAINED ACCESS TO OPEN SOURCE INNOVATION

STT Connect's partnership with Red Hat has created opportunities for the company to not only optimize its infrastructure with new technologies and meet evolving business needs, but also give back to the open source community. The company encourages its staff to participate in open source projects, such as the OpenStack-SDK-PHP project.

"Open source software frees us from being locked into one vendor, which would limit growth for us and our customers," said David. "Through open source, we can take advantage of more hardware and integration options for better reliability and lower costs. Best of all, if we can't find an integration or product, we can write one and share it with the community."

EXPANDING SERVICES THROUGH PARTNERSHIP

Following its initial success with Red Hat, STT Connect has become a Red Hat Certified Cloud and Service Provider (CCSP). As a Red Hat CCSP, the company gains access to Red Hat's partner resources and open source technologies as it continues to enhance its cloud offering.

"The Red Hat team went above and beyond the project scope to help us build an agile yet secure open source platform. The level of expertise they demonstrated throughout the engagement was impressive," said David, "We look forward to a continued, deeper partnership as we collaborate to better serve our customers and offer more advanced services, like containers."

ABOUT STT CONNECT

ST Telemedia Connect (STT Connect) provides a secure, enterprise-grade private cloud infrastructure, backed by industry-leading service-level agreements and expert support. We integrate industry-leading technologies to deliver high-performance compute, storage, and network through our core solutions—virtual private cloud, dedicated private cloud, and hybrid cloud—endorsed by top industry certifications, including ISO/IEC 27001 and Singapore's highest standard for multitier cloud security, MTCS SS 584 Level 3. Centered on businesses' needs for agility without vendor lock-in or compromising on security, STT Connect offers cloud-based solutions that empower organizations with more flexibility and control over their IT resources. The company's cloud platform is hosted in ST Telemedia Global Data Centres (STT GDC)'s Tier 3 facilities and integrates some of the industry's best technologies from Red Hat, Big Switch, and Dell EMC. Based in Singapore, STT Connect is a portfolio company of ST Telemedia, an investor-operator in communications, media, and technology businesses around the globe.

www.sttconnect.com

ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.
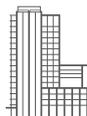
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