

ANRITSU DELIVERS SERVICE ASSURANCE FASTER AND MORE RELIABLY WITH RED HAT ANSIBLE TOWER



PARTNER RESOURCES

Red Hat® Premier Business
Partner Program

SOFTWARE

Red Hat Ansible® Tower

Anritsu A/S, part of Anritsu Corporation, offers network monitoring, troubleshooting, real-time analysis, and big-data solutions that give mobile network operators the ability to provide better services to their customers. Looking to deliver this competitive advantage more quickly and reliably, Anritsu A/S applied Red Hat Ansible Tower as the mechanism for configuration and deployment of their Multi-Dimensional Service Assurance solution. Red Hat Ansible Tower helped Anritsu A/S decrease the time needed to deploy, integrate, and configure the solution at communications service provider (CSP) sites. It also provided a more efficient way to update and upgrade each installation.



FAST FACTS

INDUSTRY: TELCO
190 EMPLOYEES

“By centralizing the solution management with Red Hat Ansible Tower, we were able to significantly reduce the amount of time required for both configuration and deployment at the customer site. This enabled our customers to benefit from our solution more quickly and at a lower cost. We were also able to automate the delivery of upgrades, accelerating our customers’ transition to newer technology stacks, without introducing opportunities for human error. This was critical to our CSP customers whose businesses rest on the reliability of their networks.”

BENEFITS

- Decreased initial deployment time by 90%
- Reduced configuration time by 70%
- Enhanced upgrade and migration time by 50%
- Minimized errors through automation



facebook.com/redhatinc
@redhat
linkedin.com/company/red-hat

redhat.com

MIHAI LEPĂDATU
DELIVERY SOLUTIONS ARCHITECT, ANRITSU A/S



“We received quality technical support and a high level of engagement from Red Hat at all stages of the process.”

JEAN-MARIUS ANTONICĂ
PRODUCT MANAGER ANRITSU A/S

AIMING TO IMPROVE CUSTOMER SATISFACTION

Anritsu A/S delivers network monitoring tools and service assurance solutions to global communications network providers. Their Multi-Dimensional Service Assurance solution offers mobile network service engineers the ability to monitor and optimize their networks in real-time, helping to identify bottlenecks and issues, improve customer satisfaction, and enable potential new revenue streams through network monetization.

The Multi-Dimensional Service Assurance solution includes a suite of applications that are designed to help communication service providers (CSPs) optimize network assets and detect potential user-impacting service issues before they happen. These capabilities are critical to ensuring the overall quality and reliability of CSP services and reducing customer churn.

AUTOMATION SPEEDS AND SIMPLIFIES

Anritsu A/S's service assurance solution is a complex system with many components geographically distributed throughout the mobile network operator's data center. Because of this, the deployment and maintenance of the solution can be very tedious when done manually. Anritsu A/S engineers sometimes spent months on projects and were concerned that there were too many opportunities where human error might be introduced. Anritsu A/S needed a way to deploy and maintain their service assurance solution more efficiently and without disrupting their customers' business.

Requiring a more automated method to configure, deploy, integrate, and upgrade their service assurance solution at CSP sites, Anritsu A/S analyzed several configuration management solutions. They chose Red Hat Ansible Tower for its simplicity, agentless nature, and modularity. Their system engineers appreciated being able to deploy configuration management scripts in any programming language, avoiding any redesign for Anritsu products.

Jean-Marius Antonică, a product manager at Anritsu A/S, explained how they chose Ansible Tower. “We were looking at multiple configuration management and automation frameworks for our deployment requirements. After careful analysis, Ansible Tower proved to be the best match for our needs. We contacted Red Hat to kick-start the process to use Ansible Tower in our commercial deployments and were surprised by how fast and seamless the onboarding process was. We received quality technical support and a high level of engagement from Red Hat at all stages of the process.”

Anritsu A/S found value in how Red Hat Ansible Tower centralizes and controls the Ansible® infrastructure via a visual dashboard, with role-based access control, job scheduling, and graphical inventory management capabilities, and applied these to the configuration and deployment of their solution. Deciding on Red Hat Ansible Tower as the underlying management platform for their service assurance products enabled Anritsu A/S to reduce their time-to-deployment considerably.

MORE EFFICIENT SERVICE ASSURANCE

Anritsu's Multi-Dimensional Service Assurance solution combines service assurance applications to give CSPs unrivaled visibility of network and service performance. It allows CSPs to optimize their customer's experience, providing an understanding of how customers use their data services and how they are impacted by problems. Specific applications include:

- **eoSight.** State-of-the-art visualizations, combined with in-memory analytics and predictive analysis, build a multi-dimensional data-driven view to provide a picture of past, present, and future performance.

“We experienced a 90% reduction in installation time while using Ansible: from months to weeks, from days to hours.”

MIHAI LEPĂDATU
DELIVERY SOLUTIONS ARCHITECT,
ANRITSU A/S

- **eoMind.** Streaming analytics continuously extract information to offer real-time insights that can identify issues affecting CSP customers and enable CSPs to respond to threats and opportunities for service delivery more effectively.
- **eoLive.** A real-time customer experience monitoring tool, for the Network Operations Center (NOC), Security Operations Center (SOC), and engineering departments, alerts them to and prioritizes issues that may impact services.
- **MasterClaw.** Powerful end-to-end tracing across converged networks giving NOC/SOC centers 24x7x365 visibility across network function virtualization (NFV) and software-defined networks (SDN) offers complete troubleshooting advantages in heterogeneous network infrastructures.

Using Red Hat Ansible Tower helped Anritsu A/S automate the deployment and configuration management of their solution. It also provided for easier post-deployment update and upgrade procedures, enabling Anritsu customers to adopt the latest service assurance technology even faster. These new operational efficiencies translated into shorter deployment projects, lowering the customer's overall total cost-of-ownership (TCO) and achieving faster time to business results.

MAKING CSP NETWORKS SMARTER - FASTER

DECREASED INITIAL TIME TO DEPLOYMENT

While evaluating Red Hat Ansible Tower, Anritsu A/S solution engineers noted that automating deployments resulted in a dramatic decrease in the installation time of their service assurance solution. When handled manually, deploying service assurance projects took them upwards of 6-9 months. With Red Hat Ansible Tower automating the process, they were able to decrease that time to a matter of weeks.

Anritsu A/S delivery solutions architect, Mihai Lepădatu, said, “We experienced a 90% reduction in installation time while using Ansible: from months to weeks, from days to hours. The transition from manual installation to automatic deployment has not been easy. Old habits die hard, but the results are worth it. We now have faster deployments and fewer errors caused by human mistakes, resulting in greater customer satisfaction.”

REDUCED CONFIGURATION TIME

Each application within the solution requires specific configuration parameters. Multiply that by the number of systems running each application in the distributed datacenter and it's easy to see how many configuration permutations are created. Anritsu A/S found that Ansible Tower could parameterize the configurations and enforce the configuration changes required quickly and easily.

“Besides speeding up each initial installation, we were able to shave off substantial time dedicated to configuration management by introducing Red Hat Ansible Tower into the equation. It reduced our configuration time by 70%,” Antonică said.

ENHANCED UPGRADE AND MIGRATION CAPABILITIES

CSP customers rely on Anritsu A/S's ability to continuously innovate and deliver new features that improve communications network services. Engineers at Anritsu A/S recognized that this required them to improve the delivery time for future application enhancements. Because network uptime is paramount to a CSP's business, Anritsu A/S knew it needed to deliver these updates with as little systems' downtime as possible.

PARTNER CASE STUDY Anritsu delivers service assurance faster and more reliably with Red Hat Ansible Tower

“We created survey playbooks which scanned the existing deployment for any customized settings and used that information to populate the Ansible inventory. This trick helped us make sure that the upgrade did not erase any of the customizations, helping us reduce the time needed for the migration by 50%.”

JEAN-MARIUS ANTONICĂ
PRODUCT MANAGER ANRITSU A/S

The automation provided by Red Hat Ansible Tower gave Anritsu A/S what it needed to achieve this. Relying on Ansible playbooks to collect configuration parameters from the existing installation to update and install new software versions, they were able to reduce upgrade and migration time by half. In addition, it minimized any potential for introducing errors into the environment.

“Red Hat Ansible Tower enabled us to tackle one of our greatest challenges: migrating from older baselines to the newest without taking the existing system down for days after days. We created survey playbooks which scanned the existing deployment for any customized settings and used that information to populate the Ansible inventory. This trick helped us make sure that the upgrade did not erase any of the customizations, helping us reduce the time needed for the migration by 50%,” said Antonică.

A SUCCESSFUL PARTNERSHIP

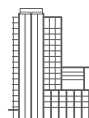
Using Red Hat Ansible Tower to help configure and deploy service assurance capabilities, Anritsu A/S can now more quickly and reliably deliver mobile network service providers with the tools needed to make the most of their networks. “This has been a good experience for us,” Antonică added. “With the successes afforded by this partnership, we are currently looking at other Red Hat products to see how they might add further value.”

ABOUT ANRITSU

Anritsu Corporation is a provider of innovative communications solutions for more than 120 years. Anritsu A/S (www.anritsu.com/en-GB/service-assurance) is a subsidiary focused on providing service assurance capabilities. The company’s test and measurement solutions include wireless, optical, microwave/RF (radio frequency) and digital instruments, operations support systems and solutions, customized software solutions. With the addition of multidimensional service assurance solutions for network monitoring and optimization, Anritsu provides complete solutions for existing and next-generation wireline and wireless communication systems and service providers. Anritsu sells in over 90 countries worldwide, with offices in Europe, the Middle East, and Africa, and has approximately 4,000 employees.

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.



facebook.com/redhatinc
@redhat
linkedin.com/company/red-hat

NORTH AMERICA
1 888 REDHAT1

**EUROPE, MIDDLE EAST,
AND AFRICA**
00800 7334 2835
europe@redhat.com

ASIA PACIFIC
+65 6490 4200
apac@redhat.com

LATIN AMERICA
+54 11 4329 7300
info-latam@redhat.com