Rubrik Helps Bane NOR Protect Norway's Critical Railway Infrastructure

BANE NOR

INDUSTRY

Transportation

RESULTS

- Significant reduction in backup time (30 hours to 2 hours)

- Immutability against ransomware and protection against data loss

- Policy-driven automation for significant time savings

CHALLENGE

- Complex and labor-intensive legacy solution

- Vulnerable to ransomware attacks

- Lack of automation and self-service capabilities

SOLUTION

- Immutable backups and ransomware protection

- Policy-based automation for backup and recovery

- Intuitive solution for automatic backup and recovery

Based in Oslo, Norway, Bane NOR is a state-owned company responsible for the national railway infrastructure, including the planning, development, administration, operation and maintenance of the national railway network, traffic management and administration and development of railway property. With 4,400 employees and a ten-person department overseeing Bane NOR's data centers, Bane NOR's mission is to ensure accessible railway infrastructure and efficient and user-friendly services, including the development of hubs and goods terminals.

Bane NOR plays a tremendous role in ensuring the train systems in Norway are continuously running, and having reliable technology is key to meeting infrastructure responsibilities and services. A strong backup solution is a crucial component to keeping the train system running safely, but like many long-standing and large enterprises, their legacy backup solution has grown to take an overwhelming amount of staff time and network bandwidth.

LIGHT AT THE END OF THE TUNNEL

"Our legacy backup solution was complex and used to take about 30 hours to create a full backup. That meant that even when everything was working perfectly, the backup solution was running constantly and taking up a good chunk of processing power," said Kai Storø, Senior Systems Engineer. "The IT infrastructure department had a daily task of logging in to correct errors and failed backups. Our production environment used to be heavily stressed, and we knew we needed to find a better solution to help us out."

The main reason the Bane NOR team chose Rubrik was for simplicity. "Rubrik is a reliable, easy-to-use solution that allows us to create our backups much faster. It enables us to keep train services running effectively and provide much-requested information to customers," said Storø. "Needless to say, rapid recovery is very important to Bane NOR, and Rubik's approach to backup and recovery has proved to be a good fit for our needs."

EFFICIENT OPERATIONS AND STRATEGIC PROJECTS

After implementing the Rubrik solution, the team found their time significantly liberated for other projects. Where it used to take 30 hours to create a full backup, it now takes two hours. "With the time we saved on backups, we have been able to reallocate that time and energy towards more strategic projects", said Storø.

"We've also explored Rubrik for ransomware protection as the topic is getting more important by the day. Rubrik is one of the few backup solutions with built-in ransomware protection through immutable backups, so we're doing our due

diligence and learning more," Storø noted. "We know that if we get hit with ransomware, our backups are safe with Rubrik."

Bane NOR has a 90% virtualized environment with more than 1000 VMs protected under Rubrik. Additional benefits include:

- **Choosing simplicity**: "We chose Rubrik for simplicity, speed, automation, and support. It's a simple solution that gives us fast and reliable backups."

- **Tightly integrated**: "The Rubrik solution is so integrated into the virtual environment that it automatically picks up new VMs as they're created and takes care of everything."

- **Management time savings**: "Our previous backup solution used to require constant management and take 30 hours for a full backup. With Rubrik, our backups take 2 hours and require minimal care which has allowed us to save a significant amount of hours and network bandwidth. The production environment is no longer heavily stressed."

- **World-class support**: "Rubrik's support team always has the answer. If they don't know immediately, they'll have an answer within 30 minutes. That's very good."

- **Ransomware Protection**: "Rubrik is one of the few backup solutions with built-in ransomware protection through immutable backups. We know that if we get hit with ransomware, our backups are safe with Rubrik."

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