

## CASE STUDY: SSI SCHAEFER Delivery of Security Patches



### BACKGROUND

With more than 10.500 employees, 8 production sites, 4 competence centres and more than 70 international locations, SSI SCHAEFER is one of the world's largest complete suppliers and component manufacturers in the field of intralogistics. (Control of the internal flow of goods and materials) Worldwide 1.100 IT specialists at SSI SCHAEFER develop innovative and industry-specific products for integrated logistics systems. From manual storage systems to automation and software solutions - SSI SCHAEFER combines high-performance software with innovative and partly self-developed intralogistics systems.



“ DRBD® is the backbone of the SSI SCHAEFER warm-standby system. The easy implementation, the ability to work remotely and to simplify processes have convinced us of DRBD® ”

**JÜRGEN HEIDTMANN**  
Director IT Business Services

### BUSINESS CHALLENGE

Next to the availability of an overall installation, SSI SCHAEFER has a special focus on the security of IT components. The customers' IT systems must be protected against both unintentional errors and directed attacks without long maintenance-related breaks in operation. Therefore SSI SCHAEFER searched for a solution that on the one hand enables application- and database-updates without any service interruptions while simultaneously reducing the risk of data loss to a minimum.

### SOLUTION

SSI SCHAEFER has developed its own warm-standby system to meet the customer's requirements of high IT security and minimal operational restrictions. Originally, a redundant arrangement of external SAN storage solutions was envisaged. This, however, requires expensive HW and its separate network, which cause additional maintenance. Since May 2018 though, DRBD®, Linbit's OSS, has been SSI SCHAEFER's preferred solution for systems with a storage requirement of up to several terabytes. Easy to implement, remotely controllable and without expensive SAN hardware DRBD® allows operating highly available databases.

For the architecture of the warm-standby system, only two servers are required with DRBD®: One for the current operation and a second as a mirrored version of the first. Operating updates are first performed on the standby server, then tested and only after the implementation was successful the main server is supplied with the new update. Thanks to DRBD®, the necessary operating interruptions were reduced to a short switching of the servers.

Updates - including those that require a reboot of the server - can be installed in advance without interruption. The customer remains undisturbed in his daily processes and SSI SCHAEFER can carry out the work 100% remotely. This way, the company can guarantee its customers the rapid and, above all, efficient delivery of security patches with minimal operational disruptions. Result: The easy implementation, the higher data security, combined with lower costs and greater flexibility were reasons enough for SSI SCHAEFER to opt for DRBD®.