



*"Kancelarske stroje routinely performs quarterly testing of the HA solution. First, they check the configuration to make sure everything is set properly, and then, with the approval of Skoda paint shop managers, they simulate an outage and measure the results. We are very comfortable with a Recovery Point Objective of near zero and a Recovery Time Objective of 10 to 30 minutes."*

## Business Profile

Company Name:  
Škoda Auto a. s.

Headquarters:  
Czech Republic

Industry:  
Automotive Manufacturing

Business Environment:

- Škoda Auto is the Czech unit of Volkswagen AG
- Škoda's sales increased 18.3 percent in 2010 and exceeded 10-billion euros
- The company's strongest growth was in Russia, Asia, India and China
- Company revenues grew 18.1 percent in 2011

Vision Solutions Product:  
Double-Take Availability

Implementation Team:  
Vision Solutions  
Kancelarske stroje s.r.o.

## Critical issue

A failure of a server that hosts applications critical to the manufacturing process could shut down an automotive paint shop line and subsequently the assembly lines. An event like this could damage profitability for this rapidly growing automobile manufacturer.

## Results

- Double-Take Availability ensures the availability of important applications so the manufacturing process can continue without interruption.

## Technologies

- Windows Server 2008
- SQL Server 2005
- GE-IP Proficy Cimplicity
- Double-Take Availability

## Business Challenge

Škoda relied on tape backups for disaster recovery but needed to ensure the uninterrupted availability of a Windows-based server involved in the production process. An especially critical system running GE-IP Proficy Cimplicity ERP software controls the painting of parts and material flow. This function occurs in the middle of the entire manufacturing cycle, more specifically after the body is assembled but before the car's interior is installed. If this server stopped working the whole production cycle would come to a halt in just a few minutes.

Škoda technicians initially opted for an internally developed solution based on Microsoft Cluster. Following some research, they realized they could not improve this system's availability by building a solution based on Microsoft Cluster since the application that controls the painting process was not cluster aware.

## Solution

After a server failure brought down the assembly line Škoda's technology partner Kancelarske stroje s.r.o. was asked to help them implement an environment to ensure uninterrupted availability. Double-Take Availability was configured to replicate the Cimplicity environment in real time to a backup server, and over the course of six months a pilot program produced undeniably positive results. Double-Take Availability significantly shortened Škoda's Recovery Time Objective. Since then, Škoda has also deployed Double-Take Availability on servers that host critical systems for the Maintenance of Assembly division.



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**Double-Take® AVAILABILITY™**

➤ High Availability ➤ Disaster Recovery ➤ Systems and Data Management ➤