

# CASE STUDY

## Ardanis Optimises Volvo's Software Release Process, Boosting Speed and Stability.



### BACKGROUND

**Volvo's** integration team was facing major inefficiencies that hindered operations, leading to system failures and negatively impacting business performance. The lack of a clear structure for defect resolution created a backlog of issues, delaying critical software updates and reducing overall productivity. As a result, these inefficiencies led to increased operational slowdowns, which threatened business continuity.

**To overcome these challenges, Volvo needed a technology partner with the expertise to stabilise its platform, improve process visibility, and optimise workflows for sustained efficiency.**

Ardanis was chosen for their proven experience in process development, system stabilisation, and automation. Volvo aimed to streamline the software release process, ensuring defects were quickly identified and resolved without affecting daily operations.

V O L V O

**Volvo sought a technology partner with the expertise to stabilise the platform, enhance process visibility, and optimise workflows to ensure long-term efficiency.**

### CHALLENGE

**If left unaddressed, these issues threatened to significantly impact Volvo's ability to scale its software operations and maintain a competitive edge in the market.**

- **Integration Team Inefficiencies** – The lack of process visibility meant issues went undetected until they caused major disruptions.
- **Frequent System Defects** – Recurring system defects resulted in unplanned downtime and productivity losses.
- **Slow and Unpredictable Release Cycle** – The lack of a structured release process led to delays in software updates.
- **Delayed Response to Defects** – The slow response to system defects impacted business operations, leading to prolonged issue resolution.



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# SOLUTION

Ardanis collaborated with Volvo to improve the performance and stability of its platform, ensuring an end-to-end automation approach that streamlined defect detection and resolution, significantly reducing manual workload. Ardanis enhanced Volvo's tech stack, integrating cutting-edge monitoring and deployment tools for seamless operations.

### Key contributions included:

- A structured approach to system stabilisation, addressing defects while simultaneously improving the platform's architecture.
- Implementation of DORA Metrics, measuring and enhancing release velocity and response times to defects.
- Parallel improvements, ensuring new feature development continued alongside stabilisation efforts.
- Automation-driven deployment workflows, optimising release efficiency and minimising operational disruptions.

### Ardanis built an end-to-end delivery capability, leveraging:

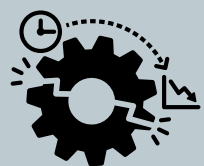
- .NET on Azure, ensuring a scalable and robust backend.
- Salesforce integration, enhancing platform functionality and improving data management.
- DORA Metrics and monitoring tools, tracking system performance and stability.
- CI/CD pipelines, automating deployment workflows for faster releases.

# KEY OUTCOMES

### The Solution delivered significant operational and business benefits:



**Faster Release Velocity:** Accelerated software releases to reduce delays and boost innovation.



**Reduced Defects:** Disruptions minimised, allowing teams to focus on innovation rather than resolving issues.



**Long-term Collaboration:** Project success led to a multi-year partnership focused on continuous improvement.



**Enhanced Efficiency:** Ardanis project enabled Volvo to proactively manage system improvements instead of reacting to crises.

**Ardanis' structured approach transformed Volvo's integration team from a reactive unit dealing with frequent system failures into a proactive, high-performing team delivering stable, high-quality software updates.**



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