

DEVOPS SERVICES

Drive IT performance and agility through automation and collaboration

ESSENTIALS

- Use a proven methodology from experienced Dell Technologies consultants to help you improve your application development and deployment
- Break down organizational silos
- Improving competitiveness with high performance teams
- Automate software testing
- Streamline release management
- Drive agility into the software development lifecycle

Business Challenges

Organizations are putting pressure on IT to be more agile and responsive to the changing needs of the business, while insisting they keep costs under control. One way for IT to respond is to accelerate the Software Development Lifecycle (SDLC) process. Software development is complex, risky, and expensive. Every day, legacy applications are maintained, patched, and updated, while new applications are developed and released into production. Each activity is typically managed by teams of people from different IT organizations, using manual processes and a wide variety of technology. As a result, mistakes are often made, which further slow the process of affect the overall performance of IT.

Streamlining the SDLC by taking full advantage of cloud computing, automating manual processes, and improving the way development and operational teams work together can help you drive costs down, shorten time to market and increase business agility and IT responsiveness.

Service Description

DevOps services help align your application development and IT operational teams through the use of agile techniques—including sprints, continuous integration, and continuous deployment—as part of the SDLC process. These services automate many of the operational tasks that application developers depend on to accelerate the development process. They also help IT deliver and update applications faster while making improvement across the ITIL Operations Model including change control, release management, and governance. These services address the following four major issues:

BREAKING DOWN SILOS FOR THE FUTURE

Realize the full power and benefit of DevOps by realigning development, test, and operational organizations from existing silos to create an integrated team. With leadership, sponsorship and alignment in place, this can be achieved incrementally over time. As these groups coalesce into one team, operations employees learn how applications are built, and developers and QA staff learn how applications run in production. This requires process—and sometimes organizational—change to drive significant increases in productivity and efficiency.

SDLC MODERNIZATION

We assess the agility of your SDLC process by focusing on two important factors: how long it takes to develop your software and

streamline test and release management. We can reduce your release cycles from weeks to days or even hours, dramatically improving time-to-market for software delivery.

DEVOPS RESEARCH & ASSESSMENT

Organizations can struggle to identify capability gaps and cultural impediments impacting performance of their DevOps environment. Dell Technologies measures, tracks, and benchmarks against the most important outcomes for success. We drive improvement through capabilities and identify priorities for capability improvement, tracking progress to demonstrate value and ID next steps.

TESTING

Most organizations struggle with execution of quality assurance in a measured, structured, and consistent way. DevOps can solve much of this inefficiency through the use of more frequent testing cycles (“fail faster”) and platform-driven automation that reduces human error.

When your tested software approaches deployment, we follow a roll-forward/roll-back approach where code is deployed and then extended, and old software is withdrawn as we prove that the new code works correctly. This all happens quickly as code is validated through automated functional tests as part of the deployment process itself.

RELEASE MANAGEMENT

To complete your software lifecycle automation, Dell Technologies redefines your release management processes (RMPs) by:

- Developing an application templating process
- Creating standard virtual runtime templates
- Establishing a package repository management and deployment capability
- Enabling automated testing for integration and function
- Defining an end-to-end release process management model

Summary of Benefits

DevOps services will improve your IT organization’s ability to respond to new business requirements by accelerating the delivery of new custom-built applications, along with updates to existing ones. Offerings range from Advisory services to a variety of implementation services designed to prove viability, to develop patterns and repeatable processes, and full-scale implementation.

Transformation of application development and operational teams by improving the way that people, processes, and technology work together leads to many benefits:

- Reduced time-to-market for software delivery by automating the release management process
- Enhanced team productivity and lowered cost through lifecycle automation, standardization, and developer self-service
- Improved software quality with automated testing and use of “fail fast” processes
- Higher infrastructure utilization and flexibility by delivering on-demand resources

Our experts work collaboratively with you to tailor our solutions and services, using agile process techniques, open source frameworks, and the latest VMware® and Pivotal® technologies. The result is an accelerated, more efficient, and less risky application development process and operating model.



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