



Reimagine



Transform



Accelerate

DevOps enables continuous delivery in a constantly changing world



Empowering end-to-end agility across the business

As organizations struggle to increase their rate of production while simultaneously reducing labor costs in development, test and release management, many turn to DevOps which utilizes cross-discipline collaboration in order to “work smarter with less.”

In today's digital economy, it's the companies that can adapt quickly to change and scale their processes that gain a competitive edge in the marketplace. DevOps enables continuous delivery by providing end-to-end agility across the business while allowing development, testing and operations teams to deliver software and services on demand, all while using existing infrastructure.

This once-niche strategy has become a mainstream acceptance as more and more organizations demand that development, quality assurance and operations teams work together to create a well-orchestrated and collaborative environment. With DevOps, developers (Dev) and testing and system administrators (Ops) function as one team with one shared goal of reducing the production risks associated with frequent change while improving agility.

Investing in the DevOps movement will take time and commitment. Understanding how your business can benefit from an incremental adoption can ensure a more agile and successful collaborative environment.

★ Achieving cultural buy-in

Transforming a business to a DevOps model is a daunting task. To ensure everyone is on board and ready to embrace change, they need to see the benefits of a DevOps transformation from the beginning.

Start with small wins - Changing corporate culture is no small feat, but starting with small projects that test DevOps disciplines will allow for trial and error and lead to small achievements instead of potentially large fails. A series of small wins can help demonstrate the potential behind DevOps, building cultural buy-in into the DevOps principals. Partnering with a trusted advisor can help ensure conducive trials, accelerate time to value and reduce errors.

Encourage collaboration and trust - It can be a huge challenge for all IT units to subscribe to this “art of the possible” concept without skepticism. From apps to ops, a correctly integrated DevOps model is proven to break down silos, enhance communications and eliminate manual steps and processes allowing IT to consistently deliver quality service.

Once the gaps are bridged it can be a win-win for everyone. For example, when developing an app for a customer, if there is little or no communication among the client, developers and testers, the client’s business needs could get lost in the complex process of developing the product. DevOps bridges these siloed teams, making it easier for everyone involved to keep the needs of the end-user at the top of mind. The result is a better product that fits the client’s usage pattern and may even exceed their expectations.

🔄 Integration and automation are your mediator

Implementing DevOps is about working as a single team with one shared goal. When development and system administration teams are divided into different departments, their objectives are naturally divided as well.

How can you make sure everyone is getting what they want from a DevOps model?

Identify the challenges each group faces - To ensure the organization isn’t being pulled in different directions when applying a DevOps concept, you need to identify the key challenges across the board for developers, testers and system administrators. While development departments are usually driven by user needs for frequent delivery of new features, operations departments focus more on availability, stability of IT services and IT cost efficiency. These two contradicting goals create a gap between development and operations, which slows down IT’s delivery of business value.

DevOps = Continuous = Automation - Once you gain insight and visibility into existing processes and how different roles are utilizing those processes to solve their group’s objectives, you can begin using continuous integration, configuration management and testing automation to start addressing these challenges.

Automation is critical, especially for the testing and operations teams, because if the maturity levels are not sufficient to support the speed and agility needed, you won’t get the desired outcomes from a DevOps environment. With automation, the operations teams will be able to respond much faster to accommodate the velocity of software delivery and deployment. Rather than days or weeks, they can respond in hours or even minutes. Once your teams have been unified with clearly-defined, transparent goals and your IT environment has the ability to support a faster and more agile team, you’re ready to explore continuous delivery and improvement.



Make continuous improvement accessible and eliminate bottlenecks

DevOps enables IT to work smarter with less while managing deployments throughout the product lifecycle. DevOps provides freedom and flexibility for developers, testers and systems administrators by forming a new set of well-orchestrated and collaborative operating standards.

Roll out new responsibilities and capabilities - Continuous delivery has to be a reliable and repeatable process for deploying high-quality software at high velocity; developers still write code, but also create servers to test and deploy that code and manage applications without having to wait on systems administrators. They can quickly update, test and launch applications using automation without waiting for access or assistance. This frees up the time for system administrators, allowing them to focus on other business-critical projects.

Measure and scale continuous improvement - In a DevOps environment, it's much easier to pinpoint problems with applications and identify waste. From there you can mitigate risks quickly, before the application is deployed. Products can be continuously deployed and improved in a feedback loop; after release the application is monitored and any input is sent back to the developers who can make the appropriate changes.

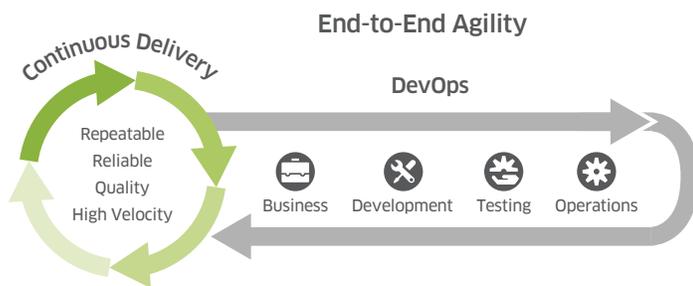
Avnet empowers your commitment to collaboration and cooperation

Avnet can provide a combination of [holistic cloud services](#) with the testing, integration and automation solutions required for end-to-end agility. Our team of DevOps experts have deep knowledge in finding and enhancing the synergies in IT environments across the board.

By using proven methodologies, cross-team visibility solutions and tools, we can help you move to a DevOps model by:

- Advancing your manual testing to testing automation that supports agile development and continuous integration across the entire enterprise
- Optimizing your mobile testing to improve risk assessment and respond to change more efficiently
- Harnessing the power of orchestration and automation for your development and operation functions to deploy quality applications at a faster rate
- Configuring your infrastructure to support scalable processes and easily pinpoint problems

Schedule a professional review of your current processes and learn where your organization is now, and how you can make the transition to DevOps.



Continuous Delivery and DevOps are similar and actually a by-product of one other for providing end-to-end agility. This method of delivery flows into DevOps principles which focus on various teams working as one to meet constantly changing service demands.



To learn how Avnet can help you prioritize your DevOps adoption and identify cost-effective implementation, contact us at avnet.me/contact to schedule a consultation.