

DevOps Rapid Implementation

Creating a Modern Development Process

WITH A MODERN APPROACH TO BUILDING AND DELIVERING THEIR MISSION CRITICAL SOFTWARE COMPANIES CAN ENSURE THEY STAY AHEAD OF THE CURVE ON INNOVATION AND DIGITAL TRANSFORMATION.



Metrics Driven Approach

Development should use industry standard metrics to track performance and provide insights into future improvements.



Automation

Enable your developers to focus on building software. Automate away the toil of builds, deployments, and maintenance.



Collaborative Process

Create cross-functional teams to ensure the entire organization grows and develops together.



Operational Awareness

Ensure the on-going maintenance of applications provides a short feedback loop to the development team. Strive for the smallest mean time to recovery possible.



Developer Experience

Leverage effective tools beyond basic source control to keep developers in their flow-states to ensure quality code is created.

SOURCE CONTROL:

- ▶ Leverage the distributed nature of Git to ensure all developers can work on their tasks simultaneously.
- ▶ Pull requests provide a native methodology to ensure code reviews are completed and documented.

CONTINUOUS INTEGRATION:

- ▶ Every commit is tested and verified to create a deployable artifact.
- ▶ Automated tests are continuously run to ensure quality at every stage of development.

CONTINUOUS DELIVERY:

- ▶ Push updates as they are ready without requiring developer intervention.
- ▶ Ensure users see new features and fixes in days, instead of weeks.

HOLISTIC MONITORING:

- ▶ Tie the monitoring of systems back into source control, ensuring all negative signals are tracked as work items.
- ▶ Learn what trends are normal and proactively adjust the backing infrastructure to account for trends.

CROSS-FUNCTIONAL TEAMS:

- ▶ Ensure that all groups are involved in the design and development process from the beginning.
- ▶ Early buy-in from the business and security will reduce cycles on the backend of development.

DEVELOPER EXPERIENCE:

- ▶ Use improved and automatic tools from GitHub to ensure developer productivity.
- ▶ Remove barriers to developer efficiency and productivity.

LEARN MORE ABOUT OUR DevOps Implementation AND CONTACT US!

BDO Digital, LLC is a Delaware limited liability company, and a wholly-owned subsidiary of BDO USA, P.C.

BDO USA, P.C., a Virginia professional corporation, is the U.S. member of BDO International Limited, a UK company limited by guarantee, and forms part of the international BDO network of independent member firms. BDO is the brand name for the BDO network and for each of the BDO Member Firms. For more information on BDO Digital, LLC please visit: www.bdo.digital.com.



Material discussed is meant to provide general information and should not be acted on without professional advice tailored to your needs.