

DEVOPS 2.0

Managed Engineering Environments

Whether assessing or improving our customer's SDLC processes and methodologies, Astadia delivers positive business outcomes.

DevOps, Agile, and Continuous Integration/Continuous Development (CI/CD) have enabled enormous advancements in software development. However, that isn't enough as development teams continue to struggle releasing quality software on time.

Companies today have great tools and their development teams have adopted DevOps methodologies. Many teams are in the cloud, leveraging on-demand and cost-saving services for DevOps. So, why are their software solutions still not meeting their business objectives?

The Need for a Designed Environment

Companies quite often miss one critical step; their environments were not designed. The many next generation DevOps tools help engineers build their environments. These organic implementations in turn drive the DevOps initiatives. While these tools offer capability and versatility, they can also contribute to unplanned and chaotic environment.

Multiple vendors and different versions of tools can disconnect the development group from the testing group. Many times the development environment only exist on a developer's PC. Both of these inhibit the successful and timely delivery of updates to critical applications. A well designed, cohesive and repeatable DevOps environment will prevent configuration drift, allow for automation, and deliver responsive testing. At its core, the problem is the environment!

DevOps, in its current incarnation, often falls short of fulfilling its promises. Many implementations address only some of the issues, while simultaneously adding to the chaos by:

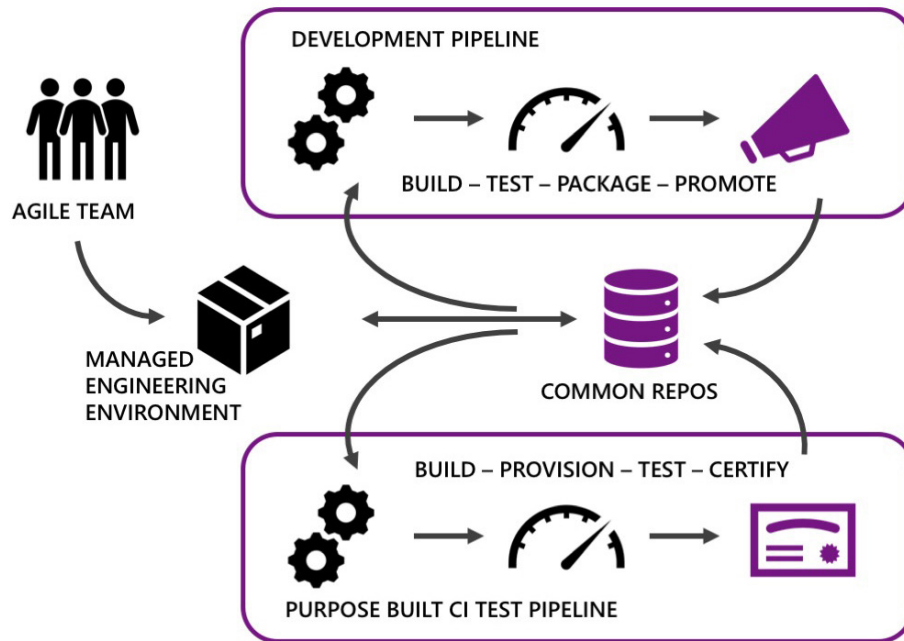
- Missing the demands of the business for new or improved features
- Benefitting one group at the expense of another
- Coming up short on automation
- Lacking cohesion in tools selection

Astadia's new advancements in DevOps focus on these core issues.

DevOps 2.0

Astadia's approach is to fully automate the creation and operation of the environments. From our designed environments, your staff can complete all DevOps tasks: coding, testing, building, releasing and deploying. Our purpose-built environments are configured to meet the specific requirements of your application's needs. Once built they are ready to use. Test cases and application code are implemented with version control, enabling auditing and producing repeatable deployments. Our automated Development and Test CI pipelines allow testing to be responsive and keep pace with development; when new or updated application code or tests are committed to the repository, they are automatically tested.

Astadia DevOps 2.0 Delivers on the Promise of DevOps



Astadia DevOps 2.0 Benefits:

Decouples the tools from the Corporate Desktop

- Preconfigured Engineering images available on demand
- No manual tool configuration required
- Developers can focus on coding not building infrastructure
- Test Engineer focus on testing not setup challenges
- Developers and Test Engineers are operational in minutes not weeks
- Standardized toolsets chosen to code and test an application
- Tool versions enforce alignment to corporate standards

- Automatic License management and utilization tracking
- All Assets stored in repositories under version control
- Ability to automate Audit requirements

Cloud-based environment

- No local installations
- Scale capacity beyond the laptop hardware
- Pay for use - not ownership - allowing bursts in capacity
- Upgrade and advance environments independently
- Environment can be owned and/or managed by Astadia - as a Service

For more information on Astadia DevOps 2.0 Managed Engineering Environments, contact us: info@astadia.com