

Database Agility and Continuous Delivery

Agile, DevOps, & Automation in a Fast-Moving World

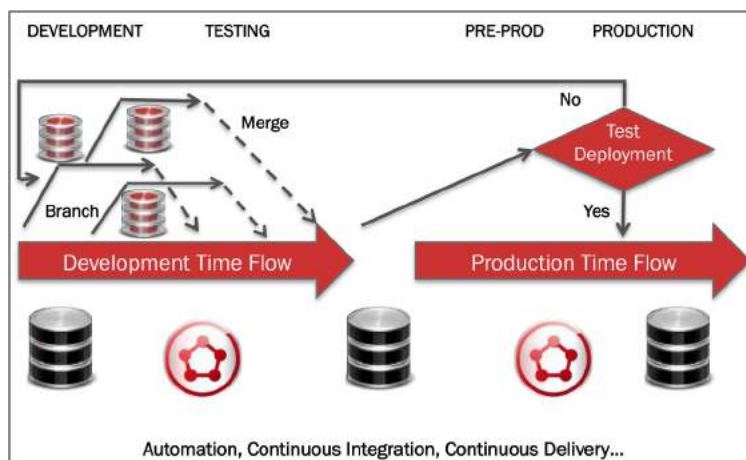
To answer revenue-driving business questions, companies constantly improve existing applications, while also creating new ones. During the development and test process, developers and QA engineers require proper environments to perform their work. Once the environment is deployed, code development requires a means of managing the changes and the deployment of the changes. In practice, slow (and costly) provisioning times will result in more bugs in the final applications, as well as the associated impact on business operations.

The Problem

Code management has become straightforward with the use of source control tools such as Git, SVN and Perforce. Provisioning development environments has become efficient with Chef, Puppet and Jenkins. But what about the database? How does one provision environments with multi-terabyte databases and version-control these databases as changes are made by multiple different developers and as multiple versions of code and database states need to be maintained? Despite advances in application development such as machine virtualization, agile development, and DevOps practices, the database still stands as a major barrier to development agility. Database branching, development, merges and deployments are tricky; unlike code, a database is not a collection of files. Following best practices using proven file-based tools often fails when dealing with the database. Too often, the container of our most valued asset – the business data – is left behind and becomes the weakest link in the chain.

The Solution

Delphix and DBmaestro offer a joint solution to bring database-driven development into the modern age. The Delphix-DBmaestro solution enables you to spawn development database branches on-the-fly, creating parallel team-centric virtual database branches, or developer-centric virtual environments with a click of a button.



Key Benefits

Enable True Agile Development

Branch databases to match code branches on-the-fly and on demand; complete support for agile and parallel development; manage changes in the branches and merge them back into the trunk.

Improve Project Speed & Accuracy

Enforce version control policy for database development.

Deploy Efficient Automation

Improve accuracy with easy creation of clones, branches and sand-box environments, as well as automated deployments and merges.

Mitigate Deployment Risks

Create an effective safety net for production updates, using up-to-date pre-production testing environments and base-line impact analysis

Enforcing version control ensures that all changes are tracked, providing control over who is doing what, where and why. Once a development cycle has concluded, relevant changes are easily and automatically implemented to the integration environment, identifying change conflicts and merging them manually or automatically based on your preferences.

Making sure a release is ready for production has never been safer as well, since no changes are overlooked, no code is overridden, and all relevant implemented changes are validated with a virtual pre-production copy of actual production environment, while not incurring storage penalties or wasted time creating these environments.

Delphix Agile Data

Organizations spend enormous amounts of time and money generating copies of data that support their business critical applications. Delphix is radically changing the way companies deliver their data – providing fast, flexible, efficient access to data.

Delphix enables agile data management through intelligent software that eliminates redundant infrastructure and slow processes. As a result, Delphix customers deliver higher quality business applications in less time and at lower cost. Today, IT organizations regularly make compromises to reduce costs, limiting the ability to support project teams. The result is delayed projects, missing features, and frustrated users. Delphix breaks this cycle by enabling IT to deliver unlimited data wherever and whenever the data is needed.

Unlock Your Data

www.delphix.com

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DBmaestro TeamWork

DBmaestro is a pioneer and a leading DevOps for database solution provider. Its flagship product, DBmaestro TeamWork, enables Agile development and Continuous Integration and Delivery for the Database.

TeamWork supports streamlining of development process management and enforcing change policy practices.

The solution empowers agile team collaboration while fostering regulatory compliance and governance.

With DBmaestro, organizations can facilitate DevOps for database by executing deployment automation, enhancing and reinforcing security as well as mitigating risk.

DevOps for Database

www.dbmaestro.com

*To learn more, contact us at
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