KM Session- TFS 2015 Release Automation

Presenter:

Date: 04/20/2018

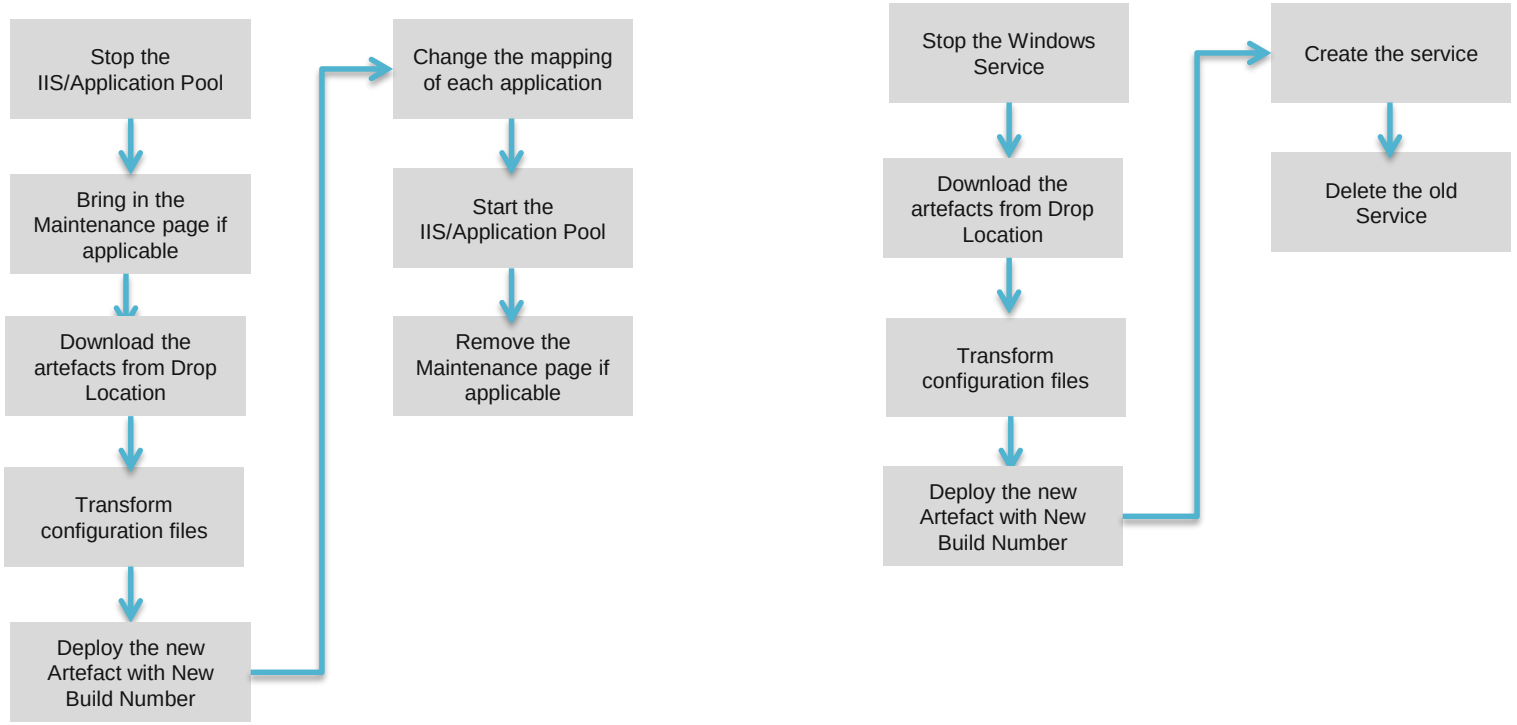
© 2018 Cognizant

Agenda

- How to Automate Web/APP/Windows Service Build and Deployment
- How to Automate SQL Database Deployment
- How to Implement SSRS Deployment
- How to Implement SSIS Deployment
- How to setup Build and Deployment process
- How to setup SonarCube with TFS

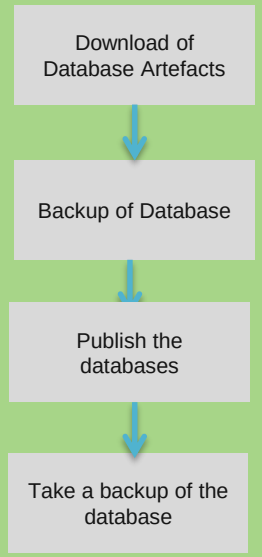
© 2018 Cognizant

Web/APP/Windows Service Deployment

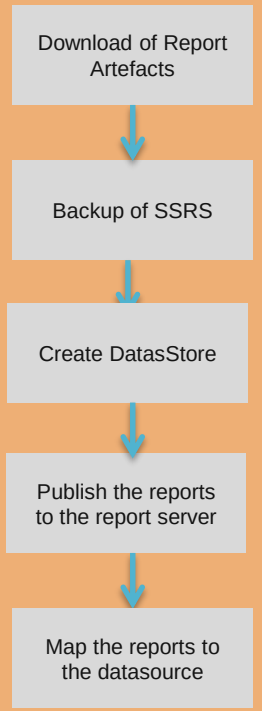


© 2018 Cognizant

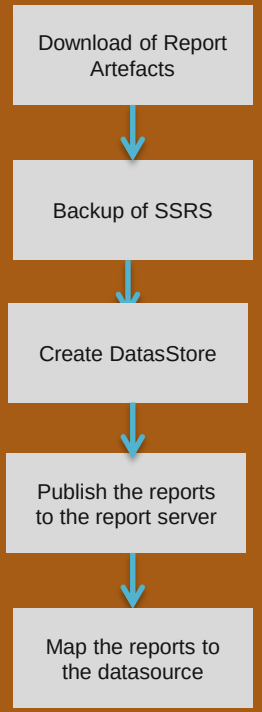
Database Deployment



SSRS Deployment

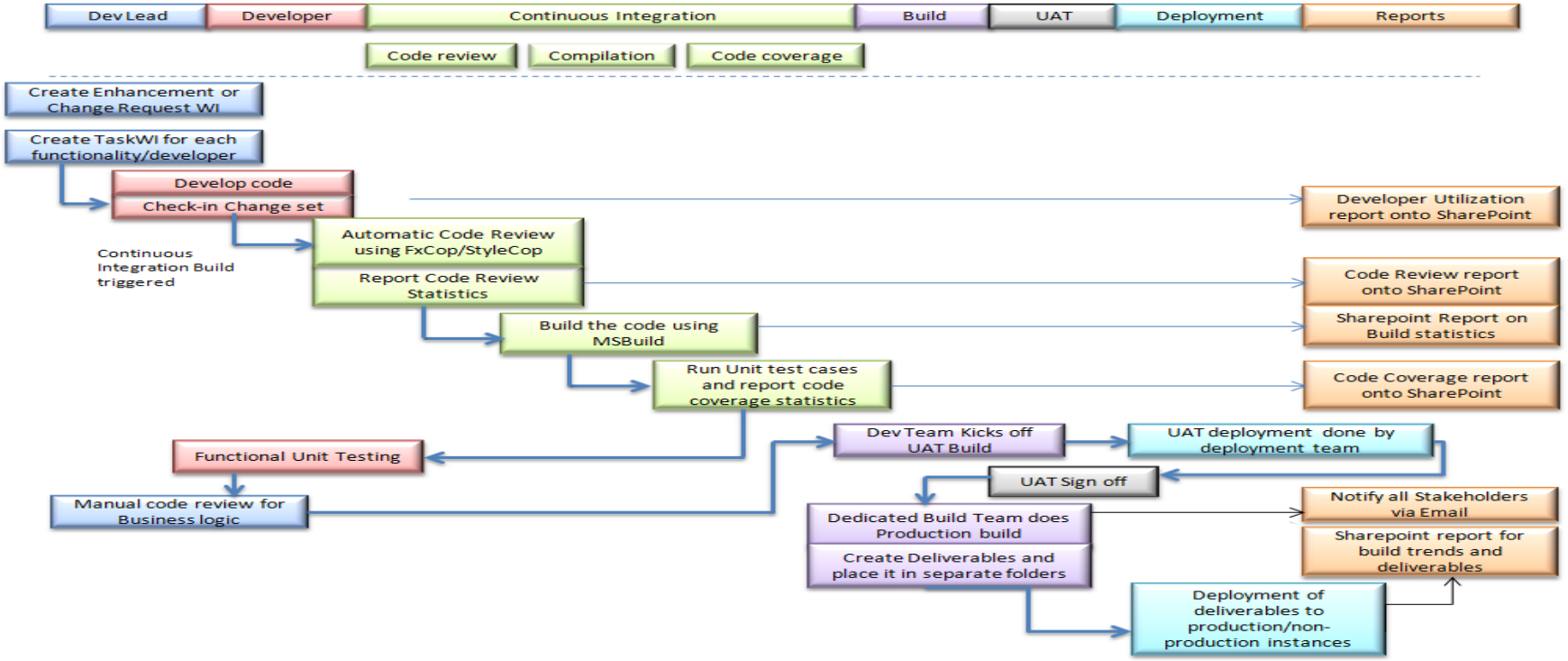


Jobs Deployment



© 2018 Cognizant

Automated Build and Deployment Process workflow



© 2018 Cognizant

Cognizant

Demo

© 2018 Cognizant

Devops – Build and Deployment Best practices

Continuous Integration & Deployment

- Automated Build
- Quality Gates
- Code Analysis
- Continuous Integration
- Branching & Versioning
- Unit Testing
- Code Merge
- Build Metrics
- Binary Repository
- Automated Deployment
- Application Configuration

Continuous Testing

- Automated Smoke Test
- Automated Regression Test
- Automated Functional Test
- Service Virtualization
- Test Data Setup
- Automated Load Test
- Automated Deployment Test
- Automated Performance Test
- Automated Security Test

© 2018 Cognizant

Devops – Build and Deployment Best practices

Release Management

- Release Planning
- Dashboarding
- Pipeline
- Collaboration
- Continuous Delivery
- Release Gates
- Orchestration
- Governance
- Metrics
- Auto Promotion
- Impact Analysis

© 2018 Cognizant

Cognizant

KEEP CHALLENGING™