



# ALM Days 2012

## Strategien für Code Sharing mit TFS 2012 Version Control

# Wir unterstützen Sie...



TeamSystemProTEAM



Sven Hubert

Sven.Hubert@aitgmbh.de

<http://www.aitgmbh.de>

## Beratung

Agile ALM und TFS  
.NET und Architektur

## Entwicklung

Dienstleister für individuelle  
Lösungen mit .NET und Azure

# Agenda

## Motivation

1

## Workspaces & Branches

Branch Modelle

Workspace Mapping

2

## NuGet

NuGet Packages

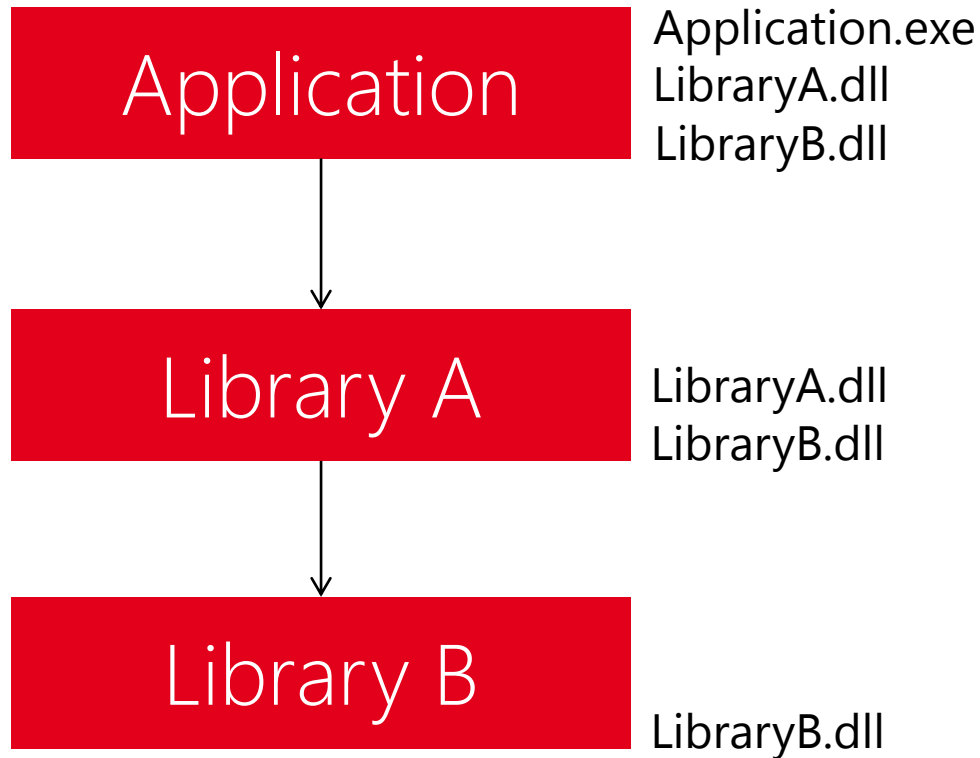
3

## Dependency Manager

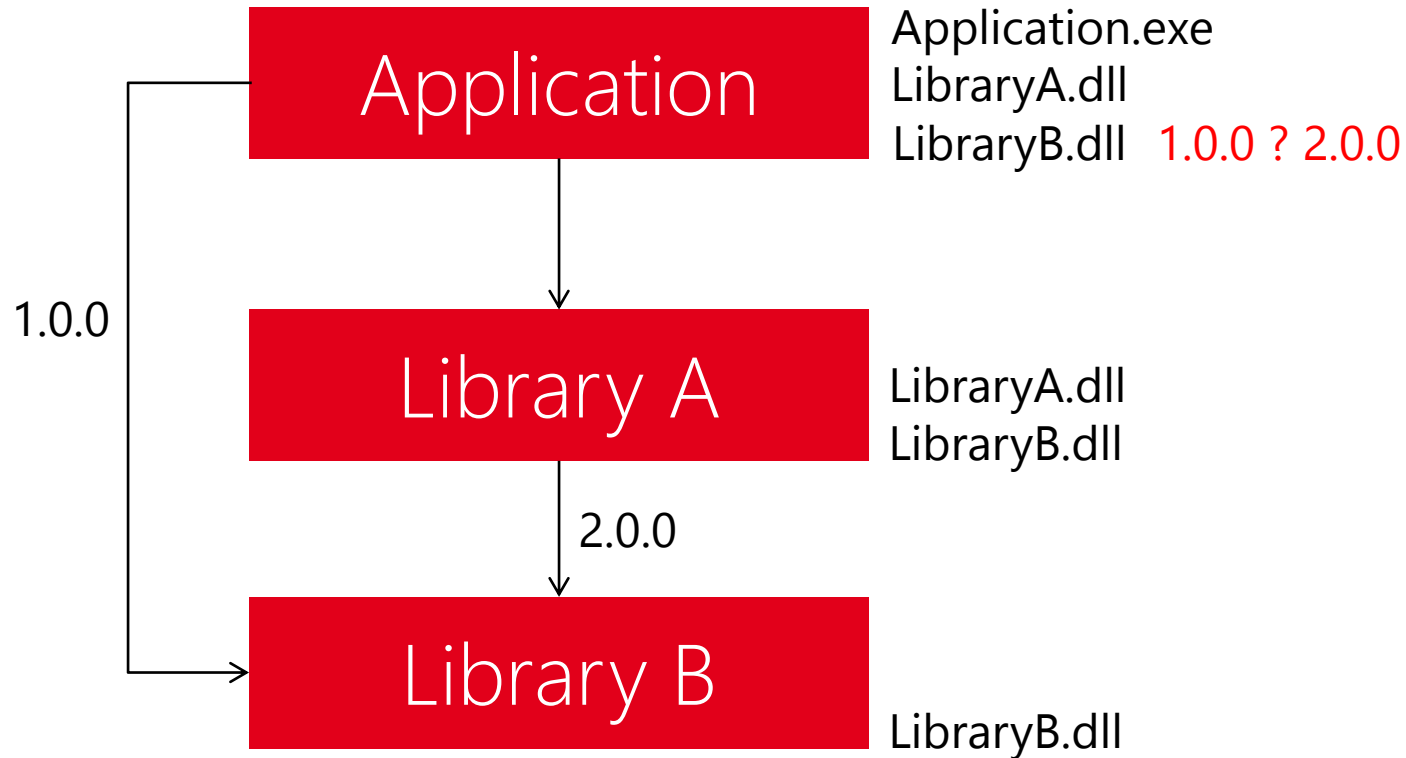
Free AIT Dependency Manager

4

# Motivation



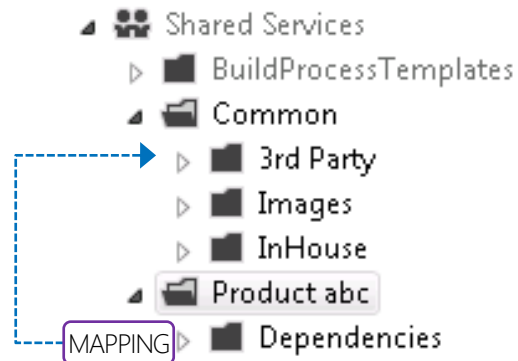
# Motivation



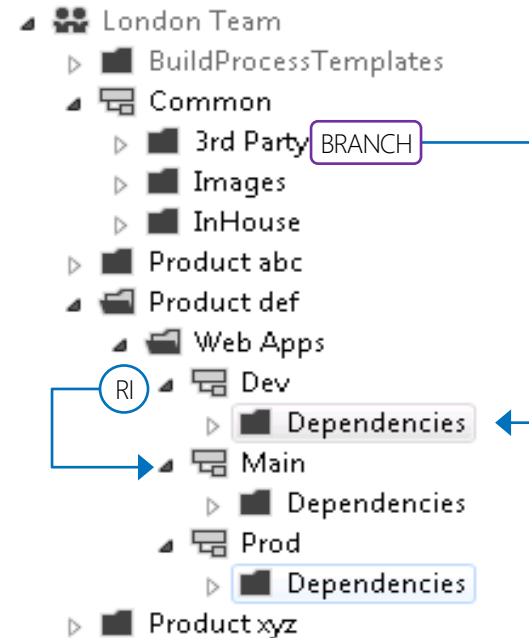
# Fragestellung

Source Code vs. Binary Reference  
Local Reference vs. GAC Registered  
Library vs. Service

# Source Control „Sharing“



VS.



# Demo

## Workspaces & Branches

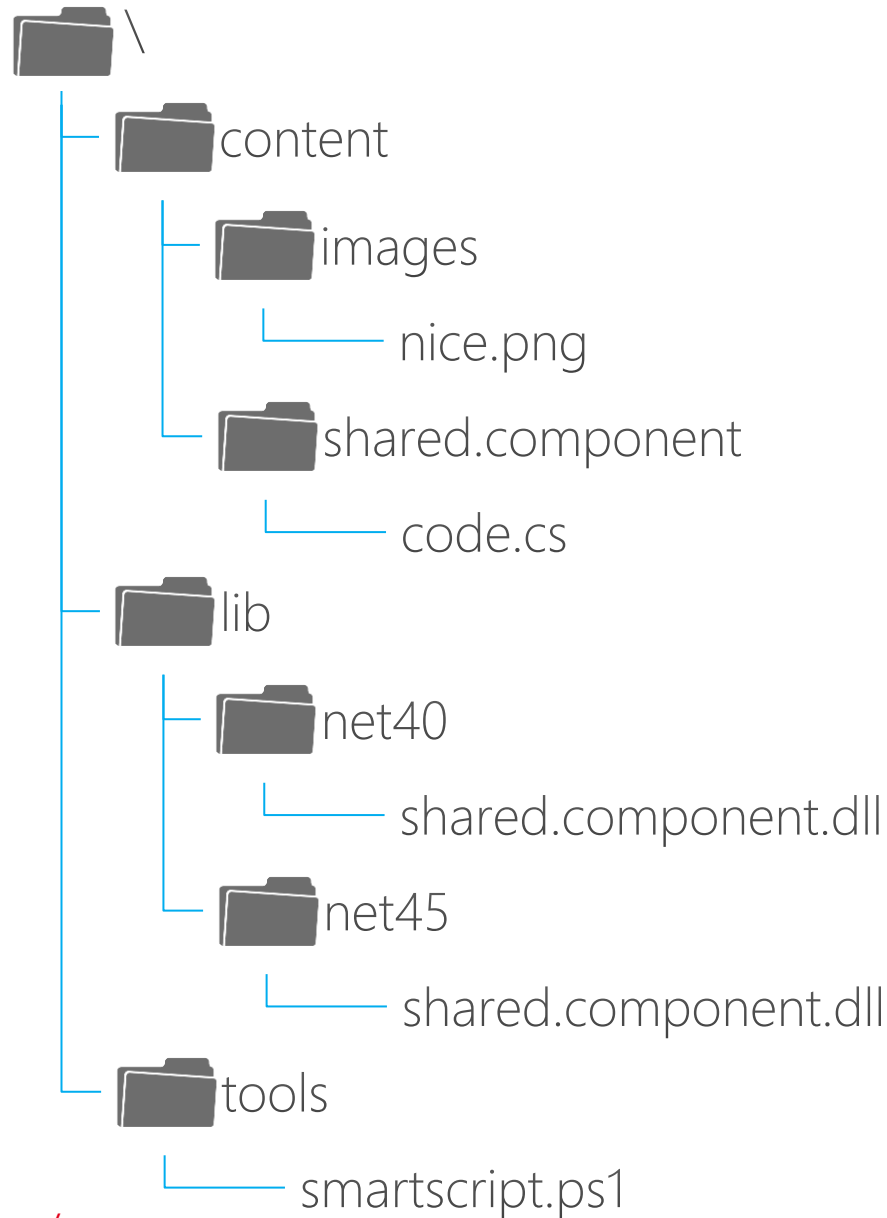




# NuGet

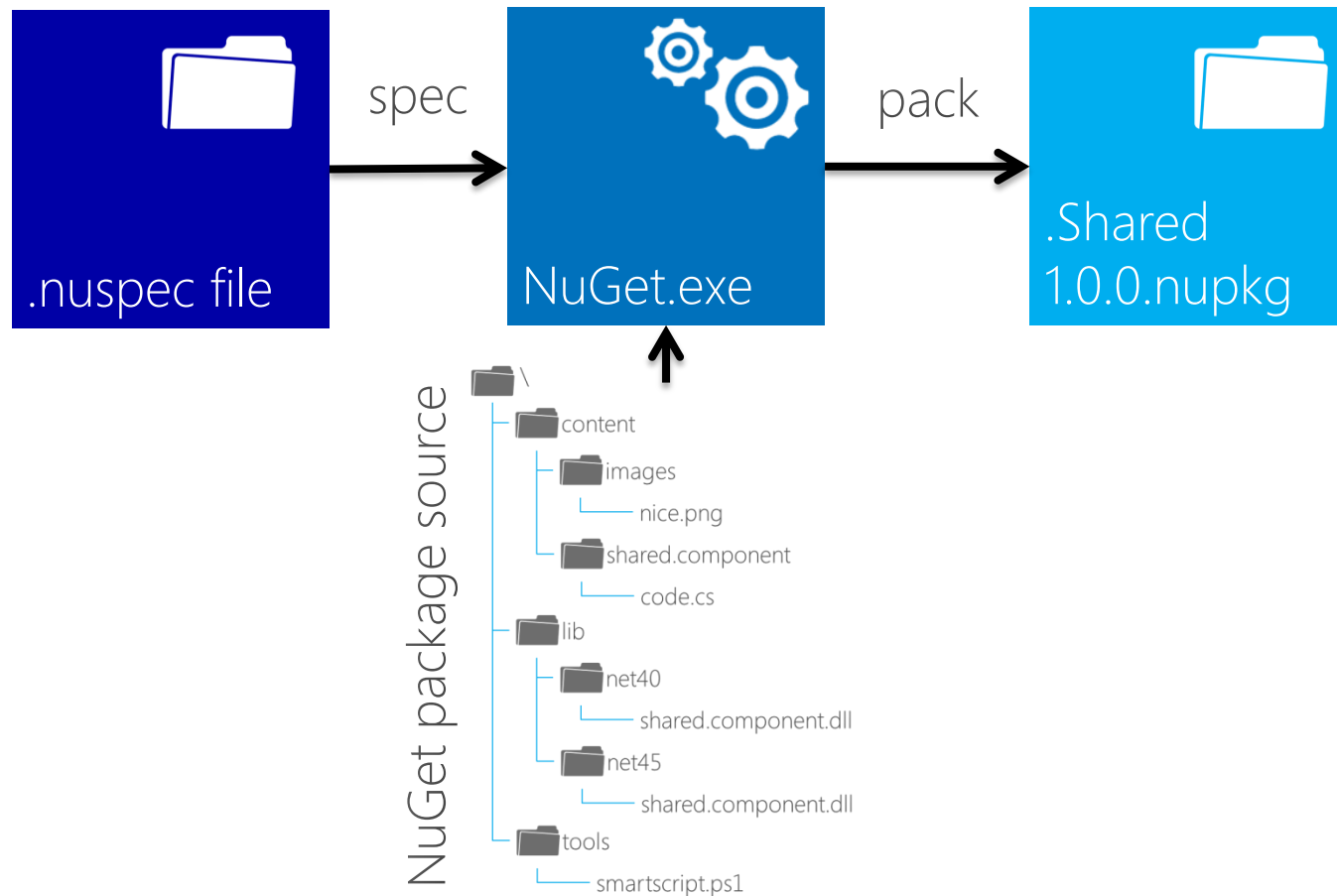
- Open Source Package Manager for VS
- Packaging (Zipped assemblies, config files, transformations, scripts)
- Deployment (web and file repositories, download, caching)
- Versioning (newest first)

# Package:



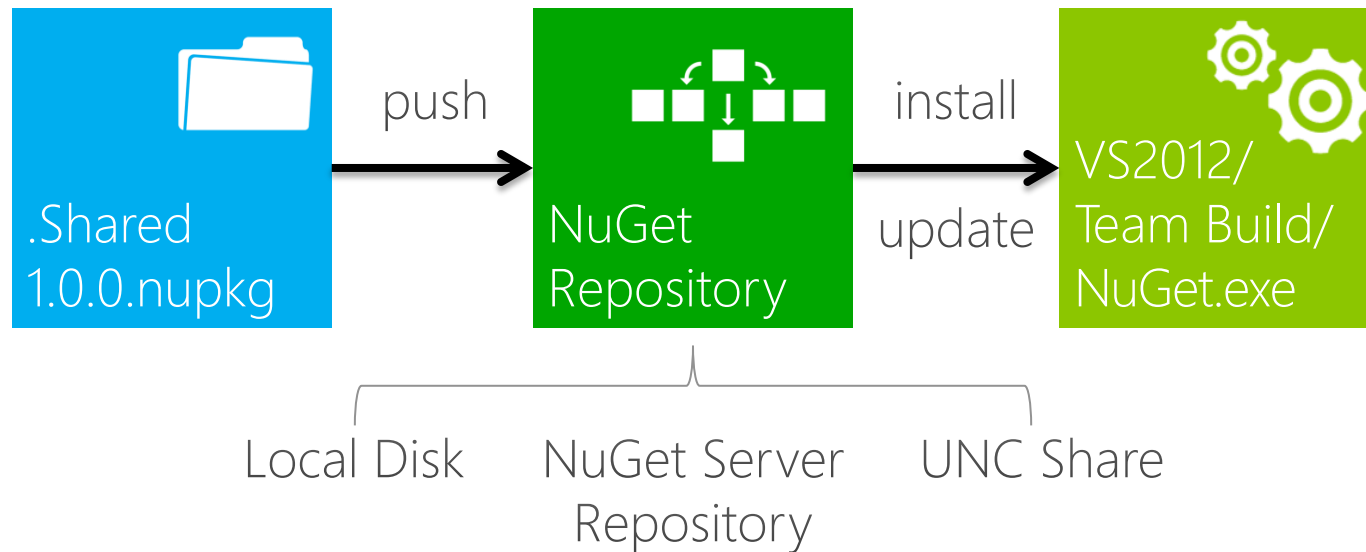
Source: <http://vsarbranchingguide.codeplex.com/>

# Package Creation



Source: <http://vsarbranchingguide.codeplex.com/>

# Package Usage



Source: <http://vsarbranchingguide.codeplex.com/>

# Demo

## NuGet



# Demo

## AIT Dependency Manager



# Best Practices

- Do not use baseless merge (equal to „goto“ in programming)
- Do not check-in solution or project files into the team project root folder
- Feature based check-in (incremental changesets)
- Do not check-in changes across branches
- Map branch folders in workspaces (and cloak unused folders)
- A branch should not have dependencies to sources outside the branch
- Avoid long path names (path length is limited to 260 characters)

# Weitere Informationen

- AIT Dependency Manager
- Create NuGet Packages
- Whitepaper: Code Sharing

# Kontakt

Sven Hubert

Sven.Hubert@aitgmbh.de



<http://www.aitgmbh.de>

<http://blog.aitgmbh.de>