



V-Modell® XT-based Software Development and Project Management support for the Visual Studio Team System

Quick Start

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Project and Goals

The "CollabXT for TFS" project has been created to offer a generic way for transforming a V-Modell® XT Process into a valid Team Foundation Server Process Template. Therefore the project offers a generator to automate this step and a few tools to enable additional TFS features like Work Item Linking. In additional releases we will offer the possibility to enrich the high level V-Modell® XT Process with other more detailed micro process elements. This will really add value to the V-Modell® XT and will enable to implement best practice methodology into V-Modell® XT process model.

The V-Modell is a process model for planning and executing Projects. The V-Modell improves project transparency, project management and the probability of success by defining concrete practices with associated results and responsible Roles. The V-Modell[®] XT is a further development of the V-Modell 97. The V-Modell[®] XT is an important process model in Germany as it is the obligatory process to be used for projects that are assigned through German government.

Support for:

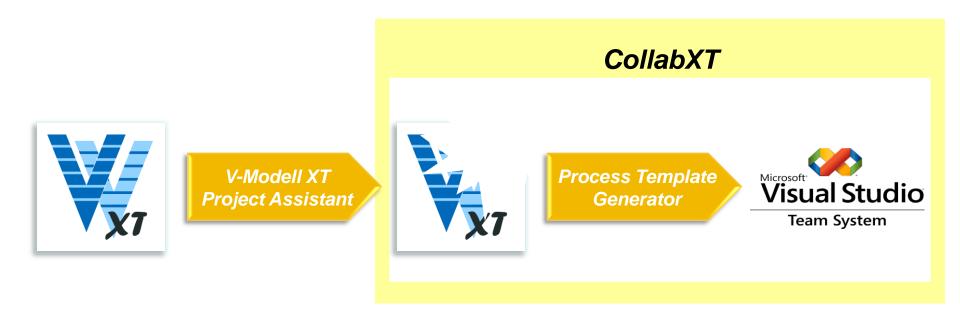
- Integrated Application Lifecycle Management
- Collaboration in distributed development projects
- Automated process support and operation
- Sophisticated user-assistance

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Project and Goals

- Integration extends the standard tool chain...
 - Editor und Project Assistant → Authoring and Tailoring the V-Modell
 - Generator creates a Team System Process Template from given content
 - Process Template can also be edited using Team System-integrated tools...



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CollabXT for TFS transparently extends the standard tool-chain of the V-Modell® XT

Features:

- Using every tailored Supplier and Acquirer/Supplier V-Modell® XT 1.2.1 as basis
- Metamodel-based process for deriving generators and process-extenders, including
 - Product Library, Process Documentations
 - Sophisticated Work Item Tracking and Reporting
 - Development support by IDE-integrated Editors, Source Control System,
 Compilers, fine grained development methodology
- Support for German and English V-Modell® XT derivates
- Extending the V-Modell[®] XT standard tool-chain for Microsoft Visual Studio Team Foundation Server



- CollabXT for TFS is designed for a minimal-impact use, meaning
 - No special prerequisites are required
 - Only standard V-Modell-tools are needed
 - Team Foundation Server installed on a server available via network
- The CollabXT for TFS Generators require
 - .NET runtime environment (http://www.microsoft.com/downloads/details.aspx?
 familyid=10CC340B-F857-4A14-83F5-25634C3BF043&displaylang=de)
- The V-Modell® XT tools require
 - Java runtime (http://java.sun.com/javase/downloads/index.jsp)
 - Tools from the V-Modell Web Portal (http://www.v-modell-xt.de)



The following slides show how to use CollabXT for TFS

- Download and install the V-Modell tools
- Download and install the CollabXT for TFS Generator
- Tailor* the V-Modell[®] XT using the V-Modell tools**
- 4. Use CollabXT for TFS Generator to generate the TFS-Template
- 5. Use the CollabXT-TFS Linker to link the initially generated Work Items

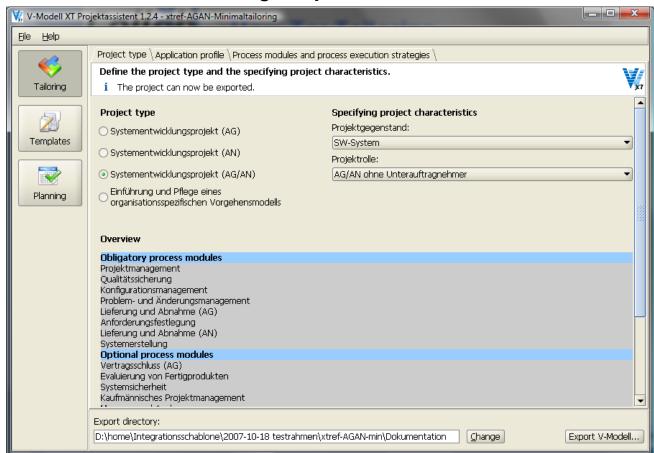
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^{*} You also have the chance to edit the V-Modell® XT according to your special needs. CollabXT for TFS supports many changes of the base model as long as Supplier and Acquire project types are available.

^{**} We assume that tailoring of the V-Modell® XT is known to you. Otherwise download the whole installation package of the V-Modell® XT and use first steps and FAQ of the documentation.

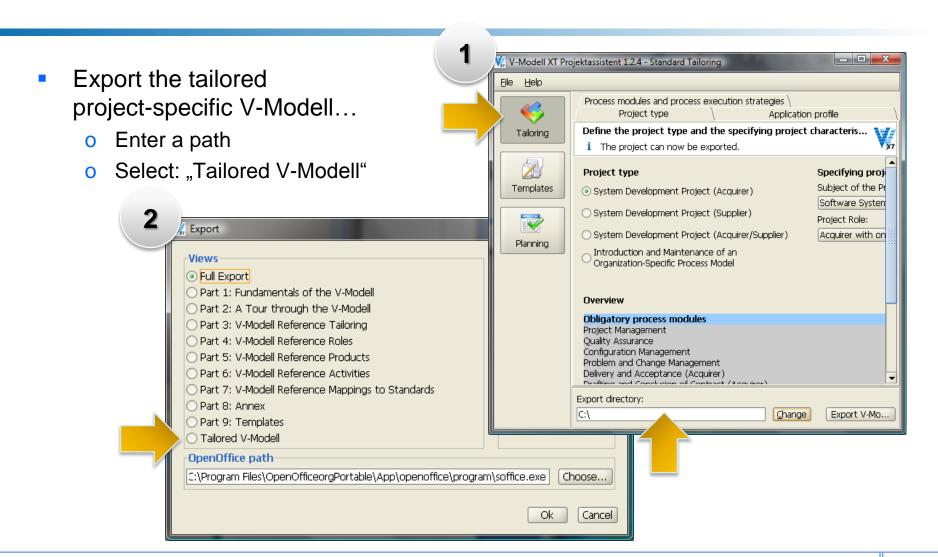


Tailor V-Modell[®]XT using Project Assistant



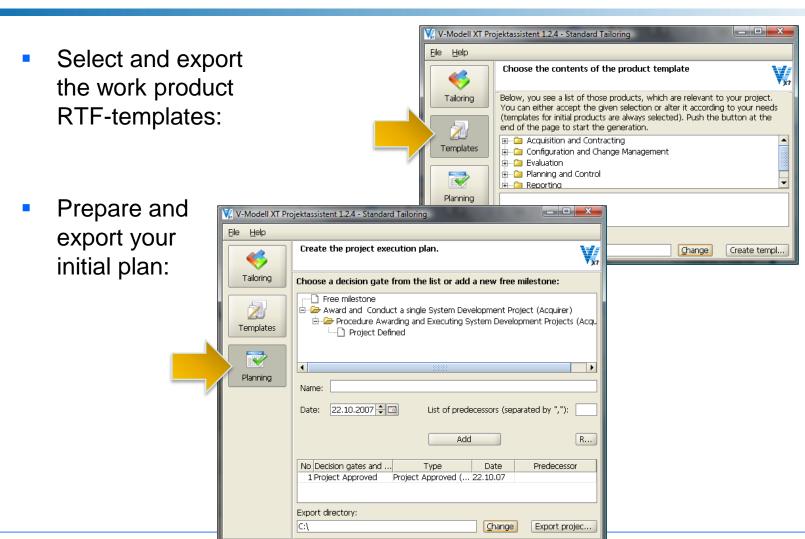


Collab How-To: Export V-Modell Contents – 1





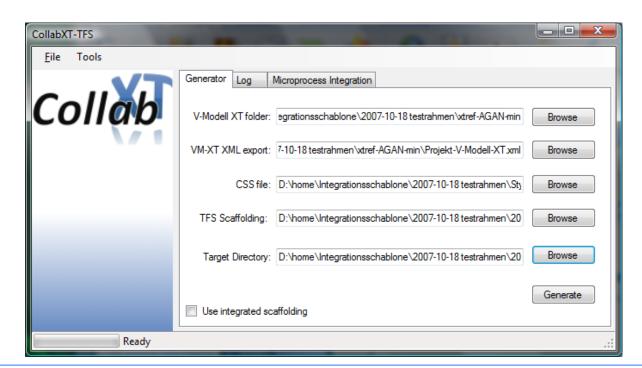
Collab How-To: Export V-Modell Contents – 2



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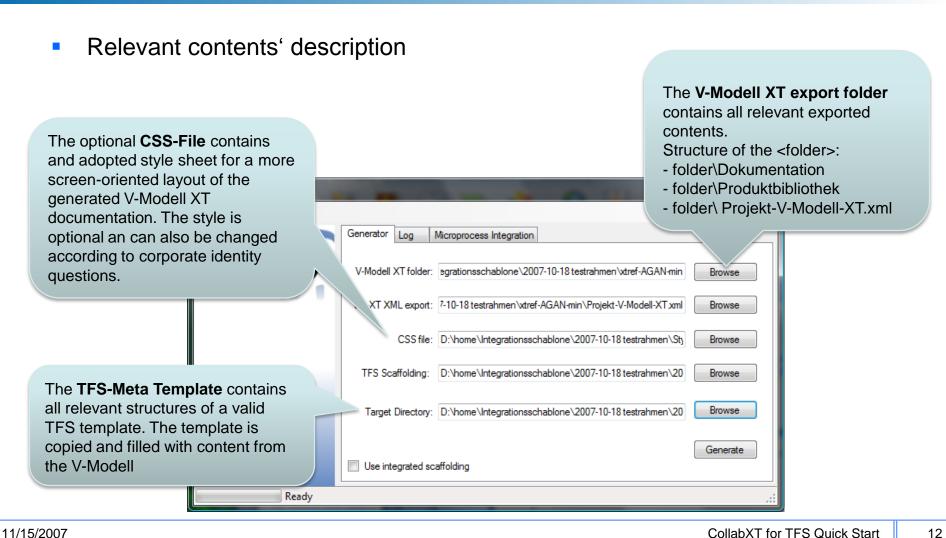
- Locate all contents for the generator
 - V-Modell exports
 - CSS-File (optional)
 - Meta Template



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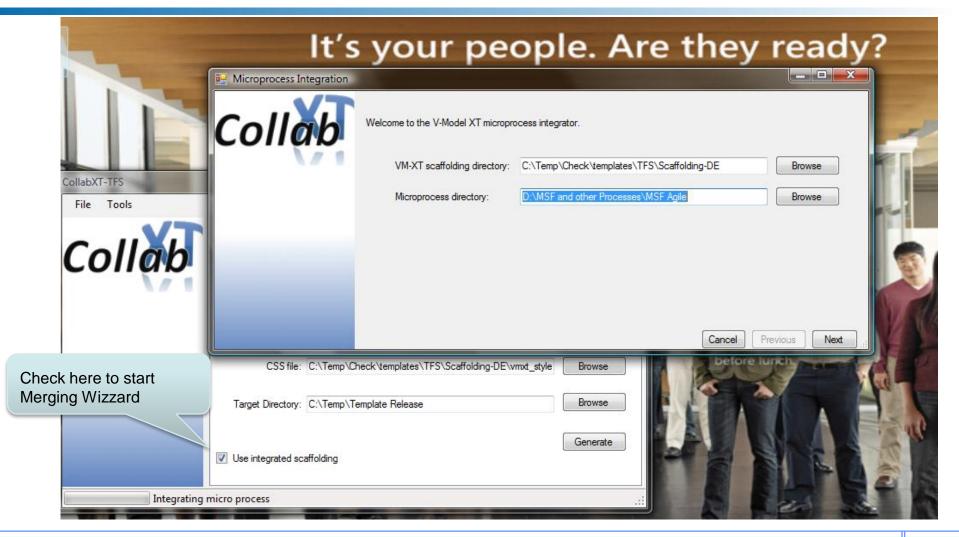


Merging the Microprocess

- Merging a Microprocess enables you to detail the process usage
 This is a great and easy way to integrate 2 processes
- For Merging you need a Team System Process Template that represents the Microprocess
 - You may use MSF Agile, MSF CMMI
 - You may use your own Best Practice Process
 - You may use any other valid Team System Process Template
- Merging allows you to combine the following process elements
 - Work Item Types
 - o Queries*
 - Document Libraries
 - Reports
 - * Be sure to only merge queries to which corresponding Work Item Types are choosen for merge as well otherwise the instantiation will crash



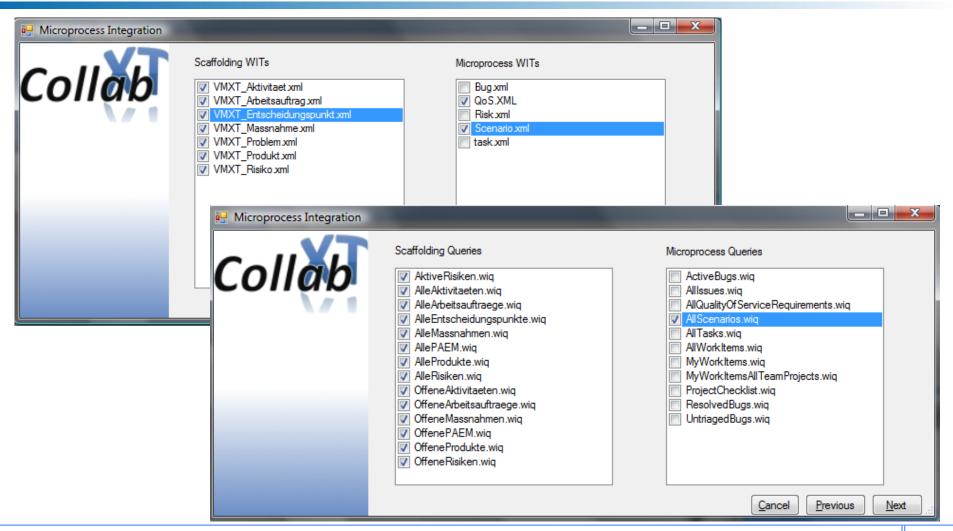
Merging the Microprocess



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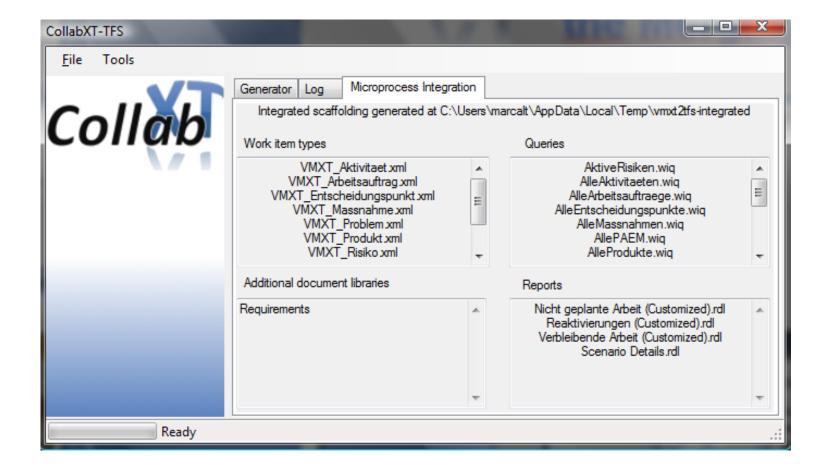
Merging the Microprocess the Merging Wizzard



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Merging the Microprocess

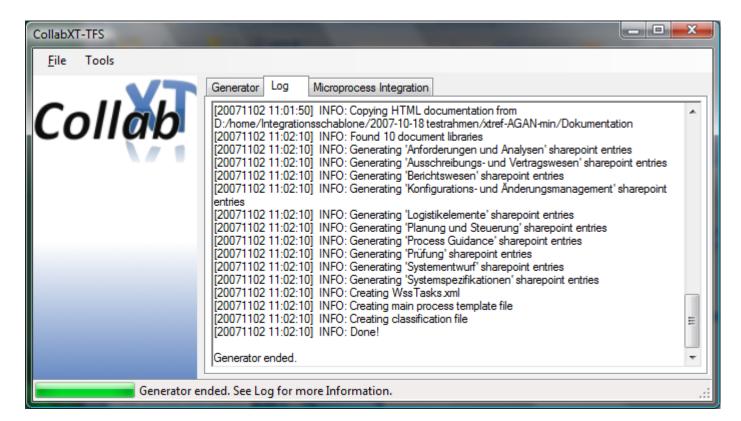


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Collab How-To: Generator ended successfully

All relevant information is collected in a $\log \rightarrow$ take a deeper look if something went wrong...



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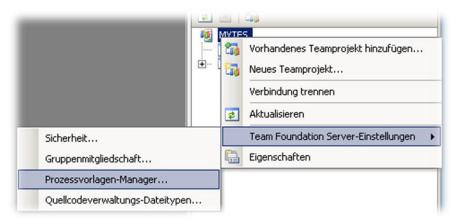
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Install the updated SharePoint Template on the TFS, using the script: upload *

(for English systems: upload_sps_template_English_w2k3Server.bat)

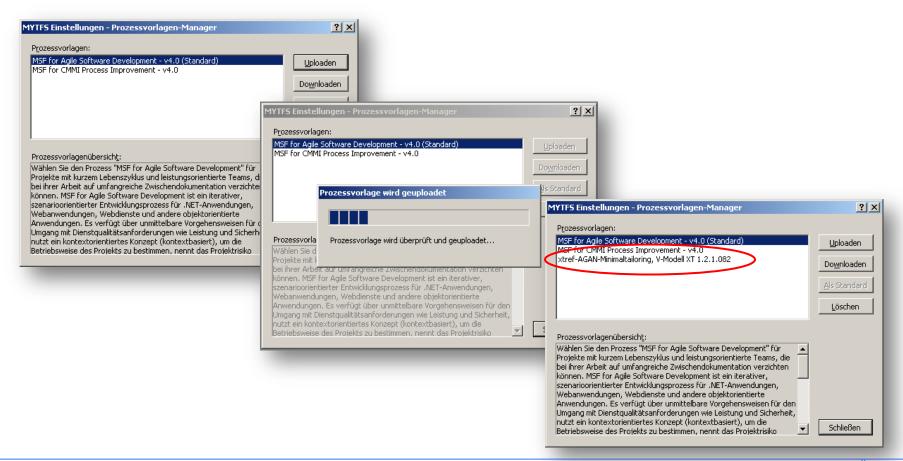
- The template has to be imported to the TFS Process Template Manager this requires:
 - An installed, clean TFS
 - An installed SharePoint Template



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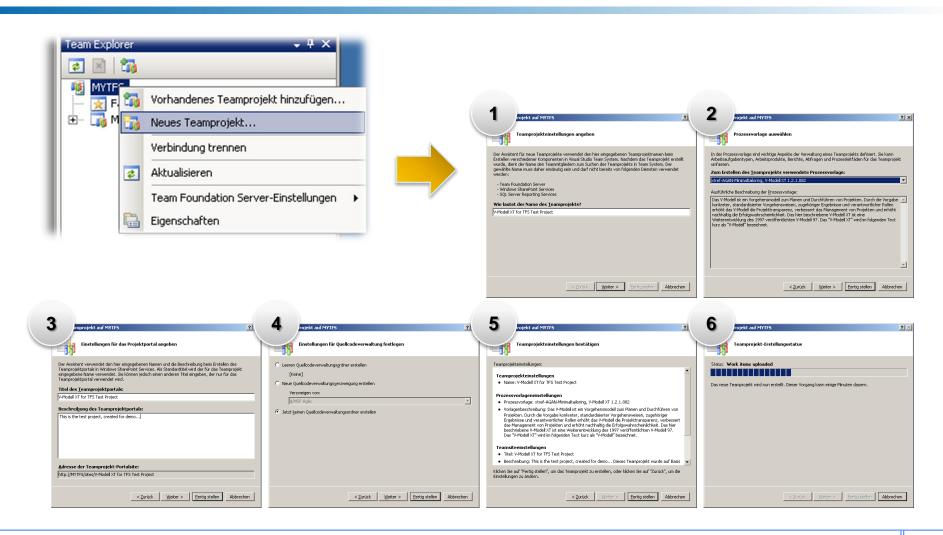
Upload the template



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Collab How-To: Create a new Team Project



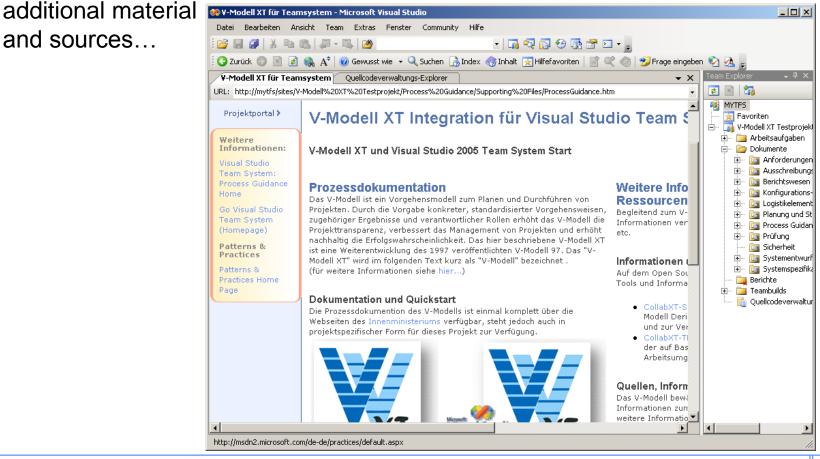
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How-To: Ready-to-use...

The opening screen of the Team Explorer including related information and

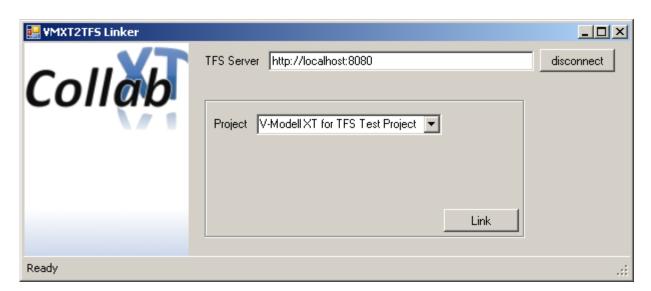
and sources...



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- Work Items generated from V-Modell XT contain linkage information
 - To represent process instance structure and element connection
 - Linkage is consistent o the initial, tailored V-Modell
- After instantiating a V-Modell-based process template, linkage can also be instantiated on the server.
 - Select server and the project to be linked



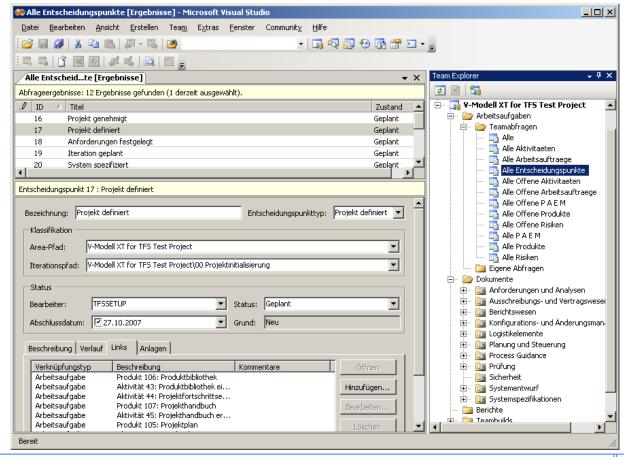
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Ready-to-use, again...

After instantiating and linking – the V-Modell-based development project is

ready to use...





First release is available since 11-15-2007 at

www.codeplex.com/VModelIXTTFS

Features:

- V-Modell® XT support for Supplier and Acquirer/Supplier project types
- Actual support for German derivates
- Supports customized V-Modell® XT variants
- Fully integrated in TFS-environment incl. linking of instantiated **Default Work Items**

Open:

- Multi-language support for German and English variants
- Improvement of reporting
- Improvement of SharePoint-Intergration

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More information is available at CodePlex: www.codeplex.com/VModelIXTTFS

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