Teamcenter
University of Cincinnati
First Use Guide
About This Book

Dedicated to those who want to get started with Teamcenter but don’t know where to start.

Numerous people have aided directly or indirectly in the creation of this book. It is dependent on Teamcenter running at the University of Cincinnati. The install effort at UC was led by Larry Schartman and Lana Petrou from SDS and CEAS IT and supported by Josh Lane and Richard Egan and GTAC from Siemens. Operation of Teamcenter at UC is led by Sam Anand, PACE Center co-director, and Neeraj Panhalkarr and Ratnadeep Paul from his group. The Teamcenter Task Group from the External Advisory Board for the School of Dynamic Systems at UC is led by Art Koehler from P&G and Sam Anand. Additional support from Siemens has been provided by Bill Meredith, Steve Bashada, Scott Miller, and Brian Peterson. Teik Lim, SDS School Director and Megan Pfaltzgraff from CEAS, Anthony Ricciardi from the UC Foundation, and Sumit Jui from SDS IT provided key support. Hardware for the Teamcenter install was supplied by ITI under the leadership of Mike Lemon. Thanks to you all and to any others that I should have mentioned.

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Comments and Feedback

Your comments and feedback are welcome and appreciated. Use the Home Page for the book for feedback.

Additional Information

See the book Home Page for additional information.

Acknowledgements

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Teamcenter screen images shown are copyright Siemens Product Lifecycle Management Software Inc.
Siemens/PLM Teamcenter is a powerful and sophisticated platform for handling product life cycle processes and data. Getting started can be a bit intimidating. This guide walks you through a simple application where two team members, “Bob” and “Alice,” collaborate on the design of a box product. While the process you will use is trivial and does not come close to scratching the surface of the power of Teamcenter, it will help you get started.

Your comments and suggestions are welcomed. Visit the guide’s “Home Page” for contact information.
The design concept team has created a box design with image and specifications files describing the design. “Bob” is assigned to load the initial design into Teamcenter and “Alice” is then asked to change one of the specifications files.

The box consists of a frame, bottom, and four sides. There is an image file and specification file for the overall box and separate image and specifications files for the frame, bottom, and each of the sides.
Teamcenter provides folders as a way to organize data. Let's make one folder for the box and its image and specifications data and subfolders for each of the parts making up the box and their data.

**Box Folder**
- Frame Folder
  - Frame Image
  - Frame Specifications
- Bottom Folder
  - Bottom Image
  - Bottom Specifications
- Left Side Folder
  - Left Side Image
  - Left Side Specifications
- Back Folder
  - Back Image
  - Back Specifications
- Right Side Folder
  - Right Side Image
  - Right Side Specifications
- Front Folder
  - Front Image
  - Front Specifications

**Box Image**
**Box Specifications**
The data from the conceptual design team is supplied in two zip files for upload into Teamcenter, one for the initial design and the other for the revision.

You can download the zip files from the links below and expand for access on your system.

If your role is “Bob,” the person assigned to load the initial data, download this zip file and unzip to a convenient location.

If your role is “Alice,” the person assigned to load the changed specifications file, download this zip file and unzip to a convenient location.
Everything in Teamcenter is done through your personal account. Teamcenter Support provides you with a User ID and temporary password. Here is how you log in and set your permanent password. If you do not have a User ID and temporary password, contact Teamcenter Support using the information on “Home Page.”

This starts the Teamcenter Rich Access Client also known as Rich Client or RAC.

Double-click Desktop Teamcenter Icon...

Enter User ID and Temporary Password...

Edit, User Setting…

Login, Change Password...

Enter Temporary and New Passwords, OK...

Open My Teamcenter...

Specify Windows...

File, Exit...

Yes...

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Teamcenter First Use Guide

Access Account

Access Teamcenter Account

11:56 8

Jun 27, 2012

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File, Exit...

Yes...

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Teamcenter First Use Guide

Access Account 1

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Access Teamcenter Account

- Double-click Desktop Teamcenter Icon...8
- Enter User ID and Temporary Password...8
- Edit, User Setting… ...9
- Login, Change Password...9
- Enter Temporary and New Passwords, OK...9
- Open My Teamcenter...10
- Specify Windows...11
- File, Exit...12
- Yes...12
Everything in Teamcenter is done through your personal account. Teamcenter Support provides you with a User ID and temporary password. Here is how you log in and set your permanent password. If you do not have a User ID and temporary password, contact Teamcenter Support using the information on “Home Page.”

**Access Teamcenter Account**

1. Double-click Desktop Teamcenter Icon...
2. Enter User ID and Temporary Password...
3. Edit, User Setting...
4. Login, Change Password...
5. Enter Temporary and New Passwords, OK...
6. Open My Teamcenter...
7. Specify Windows...
8. File, Exit...
9. Yes...

3...First Use Guide
Everything in Teamcenter is done through your personal account. Teamcenter Support provides you with a User ID and temporary password. Here is how you log in and set your permanent password. If you do not have a User ID and temporary password, contact Teamcenter Support using the information on “Home Page.”

Access Teamcenter Account

1. Open Teamcenter Account
   - Double-click Desktop Teamcenter Icon...
   - Enter User ID and Temporary Password...
   - Login, Change Password...
   - Enter Temporary and New Passwords, OK...
   - Open My Teamcenter...
   - Specify Windows...
   - File, Exit...
   - Yes...

2. For Details, Impact Analysis, and JT Preview windows select the window and click “X” to close.

3. Tip: Windows will automatically come on when needed or use “Window, Show View” to turn window on manually.

4. Tip: At some point you will likely encounter an “Unable to use xml for rendering…” message. Check “Don’t show…” and “OK.”
Everything in Teamcenter is done through your personal account. Teamcenter Support provides you with a User ID and temporary password. Here is how you log in and set your permanent password. If you do not have a User ID and temporary password, contact Teamcenter Support using the information on “Home Page.”

**Access Teamcenter Account**

1. Double-click Desktop Teamcenter Icon...8
2. Enter User ID and Temporary Password...8
3. Edit, User Setting…...9
4. Login, Change Password...9
5. Enter Temporary and New Passwords, OK...9
6. Open My Teamcenter...10
7. Specify Windows...11
8. File, Exit...12
9. Yes...12
This is the process “Bob” uses to load the data into Teamcenter.
Think about your design as a set of parts and subparts and create a folder hierarchy of whatever depth necessary to contain the data for the parts. For this example “Bob” uses the high level folder “Box” and creates a subfolder for each part making up the box.
Think about your design as a set of parts and subparts and create a folder hierarchy of whatever depth necessary to contain the data for the parts. For this example “Bob” uses the high level folder “Box” and creates a subfolder for each part making up the box.

Create Folder Structure

Select “Home” or Other Parent Folder...

File, New, Folder...

Enter Folder Name, OK...

Validate Correct...

Delete if Not...

Repeat Until Complete...

To delete folder:
- Select Folder
- Delete
- Yes

Hints:
If you don’t see your new subfolder, open its parent folder by clicking on the open arrow.

If it is not there, open “NewStuff” and look there and delete. Be sure to select the desired parent folder before creating subfolders. If you create a folder without a parent selected the new folder is put in “Newstuff.”
Think about your design as a set of parts and subparts and create a folder hierarchy of whatever depth necessary to contain the data for the parts. For this example “Bob” uses the high level folder “Box” and creates a subfolder for each part making up the box.
Create Image Datasets

Select Folder... 17

File, New, Dataset... 17

Specify Type GIF, Enter Name, OK... 17

Validate Correct... 18

Delete if Not... 18

Repeat Until Complete... 19

If GIF is not shown as selection option, click “More…” and select GIF from list.

The image data is stored in GIF datasets.
The image data is stored in GIF datasets.

Create Image Datasets

Select Folder...

File, New, Dataset...

Specify Type GIF, Enter Name, OK...

Validate Correct...

Delete if Not...

Repeat Until Complete...

To delete dataset:
- Select Dataset
- Delete
- Yes

13...Create Process
The image data is stored in GIF datasets.

Create Image Datasets

Select Folder... 17

File, New, Dataset... 17

Specify Type GIF, Enter Name, OK... 17

Validate Correct... 18

Delete if Not... 18

Repeat Until Complete... 19
The image data consists of a series of GIF files. These are now loaded into the datasets.

Load Image Data

Select Dataset, Right-mouse, Named References...20

Import...20

Navigate to File, Select, Import...21

Close...21

Click Viewer Window, Validate Correct...22

Delete if Not...23

Repeat Until Complete...24

13...Create Process

Teamcenter First Use Guide Load Image Data 1
The image data consists of a series of GIF files. These are now loaded into the datasets.

**Load Image Data**

Select Dataset, Right-mouse, Named References...

**Import...**

Navigate to File, Select, Import...

**Close...**

Click Viewer Window, Validate Correct...

Delete if Not...

Repeat Until Complete...

13...Create Process

Load Image Data 2
The image data consists of a series of GIF files. These are now loaded into the datasets.

Tip: If Viewer window not shown, Window, Show View, Viewer

Load Image Data

Select Dataset, Right-mouse, Named References...20

Import...20

Navigate to File, Select, Import...21

Close...21

Click Viewer Window, Validate Correct...22

Delete if Not...23

Repeat Until Complete...24

13...Create Process

Teamcenter First Use Guide
The image data consists of a series of GIF files. These are now loaded into the datasets.

**Load Image Data**

Select Dataset, Right-mouse, Named References...

- Import...
- Navigate to File, Select, Import...
- Close...
- Click Viewer Window, Validate Correct...
- Delete if Not...
- Repeat Until Complete...

To delete image file:
- Select Dataset
- Right-mouse, Named References
- Select File
- Delete
- Yes

13...Create Process
The image data consists of a series of GIF files. These are now loaded into the datasets.

Load Image Data

Select Dataset, Right-mouse, Named References...

Import...

Navigate to File, Select, Import...

Close...

Click Viewer Window, Validate Correct...

Delete if Not...

Repeat Until Complete...

13...Create Process

Teamcenter First Use Guide

Load Image Data 5
The specifications data is stored in PDF datasets.

Create Specifications Datasets

Select Folder...25

File, New, Dataset...25

Specify Type PDF, Enter Name, OK...25

Validate Correct...26

Delete if Not...26

Repeat Until Complete...27

If PDF is not shown as selection, click “More…” and select PDF from list.
The specifications data is stored in PDF datasets.

Create Specifications Datasets

Select Folder...

File, New, Dataset...

Specify Type PDF, Enter Name, OK...

Validate Correct...

Delete if Not...

Repeat Until Complete...

To delete dataset:
  - Select Dataset
  - Delete
  - Yes

13...Create Process
The specifications data is stored in PDF datasets.

Create Specifications Datasets

1. Select Folder...
2. File, New, Dataset...
3. Specify Type PDF, Enter Name, OK...
4. Validate Correct...
5. Delete if Not...
6. Repeat Until Complete...

13...Create Process

Teamcenter First Use Guide
Create Specifications Datasets 3
The specifications data consists of a series of PDF files. These are now loaded into the datasets.
The specifications data consists of a series of PDF files. These are now loaded into the datasets.

Load Specifications Data

Select Dataset, Right-mouse, Named References...28

Import...28

Navigate to File, Select, Import...29

Close...29

Click Viewer Window, Validate Correct...30

Delete if Not...31

Repeat Until Complete...32
The specifications data consists of a series of PDF files. These are now loaded into the datasets.

Load Specifications Data

Select Dataset, Right-mouse, Named References

Import

Navigate to File, Select, Import

Close

Click Viewer Window, Validate Correct

Delete if Not

Repeat Until Complete

Tip: If Viewer window not shown, Window, Show View, Viewer

The specifications data consists of a series of PDF files. These are now loaded into the datasets.
The specifications data consists of a series of PDF files. These are now loaded into the datasets.

**Load Specifications Data**

- Select Dataset, Right-mouse, Named References... 28
  - Import... 28
  - Navigate to File, Select, Import... 29
  - Close... 29
  - Click Viewer Window, Validate Correct... 30
  - Delete if Not... 31
  - Repeat Until Complete... 32

To delete image file:
- Select Dataset
- Right-mouse, Named References
- Select File
- Delete
- Yes

13...Create Process
The specifications data consists of a series of PDF files. These are now loaded into the datasets.

Load Specifications Data

Select Dataset, Right-mouse, Named References... 28

Import... 28

Navigate to File, Select, Import... 29

Close... 29

Click Viewer Window, Validate Correct... 30

Delete if Not... 31

Repeat Until Complete... 32

The specifications data consists of a series of PDF files. These are now loaded into the datasets.
This is the process “Alice” and “Bob” use to make the data change.

Alice:
- Access Data...35
- Check Out Dataset...39
- Change File...40
- Check In Dataset...43
- Verify Change...44

Bob:
- Check In Dataset...34
- Change File...40
- Verify Change...44

This is the process “Alice” and “Bob” use to make the data change.
“Bob” checks in the dataset so “Alice” can access for change.

Check In Dataset

Right-mouse Dataset

Check-In/Out, Check-In

Yes

33...Change Process

Teamcenter First Use Guide Check In Dataset
“Alice” finds the data “Bob” has created and adds to her “Home” folder.
“Alice” finds the data “Bob” has created and adds to her “Home” folder.
“Alice” finds the data “Bob” has created and adds it to her “Home” folder.
“Alice” finds the data “Bob” has created and adds to her “Home” folder.
“Alice” checks out the dataset before making changes.

Check Out Dataset

Open Folder

Right-mouse Dataset, Check-In/Out, Check-Out

Yes

33...Change Process
“Alice” deletes the current file and replaces it with the new one.

Change File

Right-mouse Dataset, Named References…

Select Current File, Delete, Yes...

Import...

Navigate to File, Select, Import...

Close...

View Result...

33...Change Process
“Alice” deletes the current file and replaces it with the new one.
“Alice” deletes the current file and replaces it with the new one.

Change File

Right-mouse Dataset, Named References.....40

Select Current File, Delete, Yes...40

Import...41

Navigate to File, Select, Import...41

Close...41

View Result...42

33...Change Process
“Alice” has finished her change work and checks in the dataset.

33...Change Process

Check In Dataset

Right-mouse Dataset, Check-In/Out, Check-In

Yes

Check In Changed Dataset
“Bob” verifies that he sees the change.
Teamcenter has an extensive help system accessible through context sensitive help or as a help library. Access this using the “Help” menu or F1, Ctrl+F1 function keys. The help system is web-browser based.
Concluding Comments

This is a trivial example showing one way to use Teamcenter. This can serve as a base for continued learning through the Teamcenter help system, classes at UC, networking with colleagues, and using the extensive training materials and programs available from Siemens.

The more you learn about Teamcenter the better equipped you are to unleash its power and the more value you provide whether in industry or continued academic endeavors.

Happy collaborating!
See the “Home Page” for “Teamcenter First Use Guide” for support and other contact information and links to webBook, eBook, and vBooks.

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