



**Technical Transfer**

**SIEMENS**

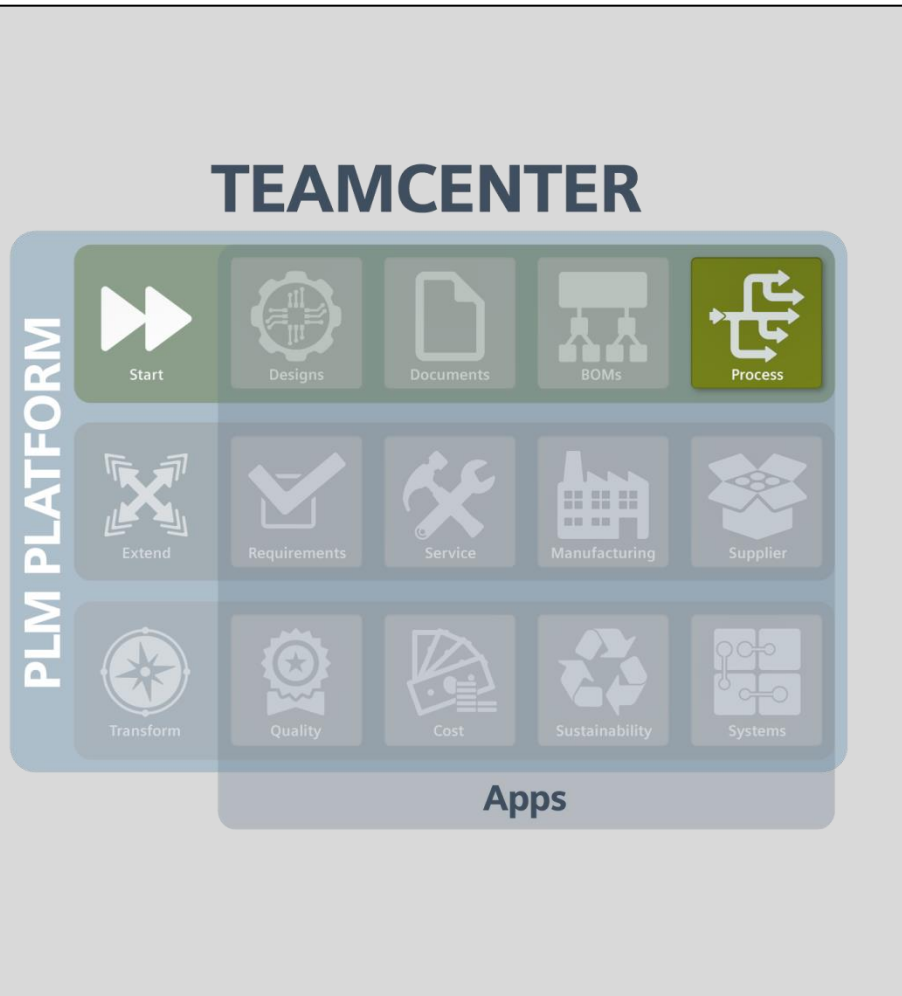
# Tc10.1 What's New

## Schedule Manager

**TEAMCENTER**



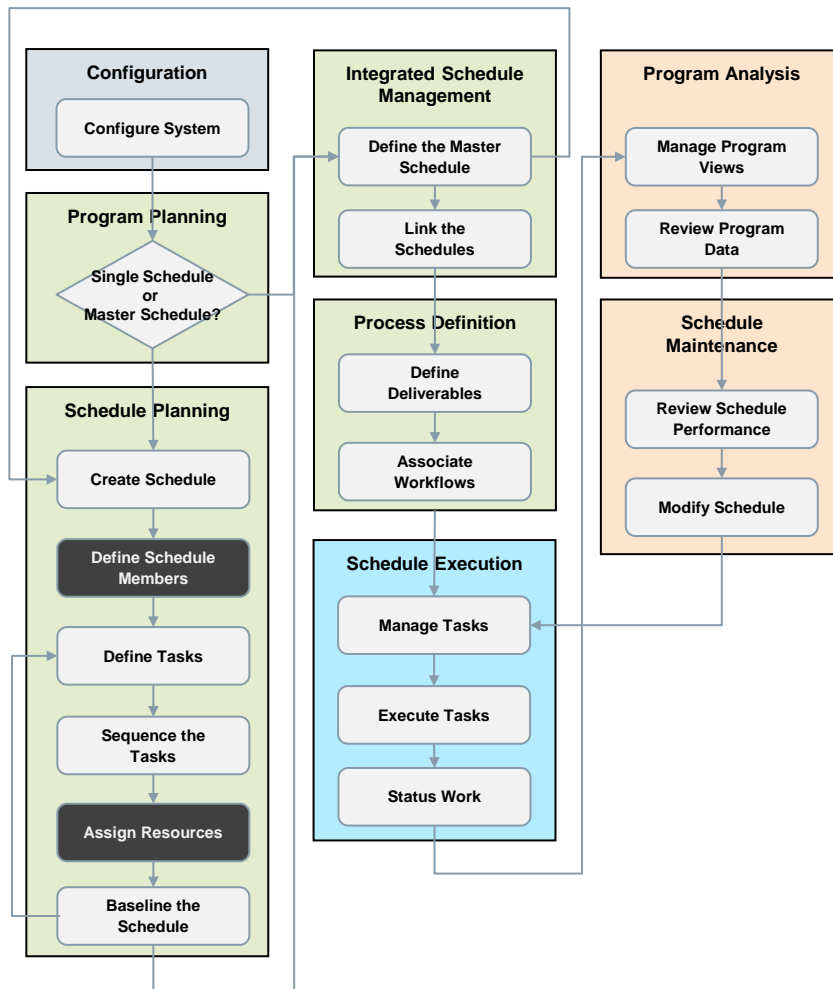
# Process Execution Agenda



## What's New in Schedule Manager

- Schedule Planning
- Process Definition
- Schedule Execution
- Schedule Maintenance

# Process Execution Agenda



## What's New in Schedule Manager

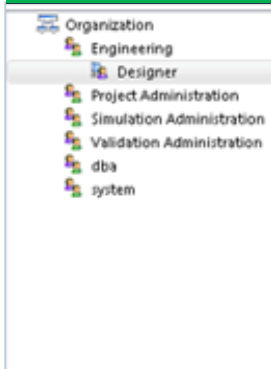
- **Schedule Planning**
- Process Definition
- Schedule Execution
- Schedule Maintenance

# What's New in Schedule Manager

## Assign resources

Save time when assigning resources to tasks

可以指派group / role成为Placeholder



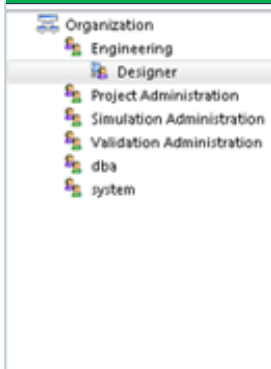
- Select a group/role to create a *placeholder* assignment
- Alternative to disciplines

# What's New in Schedule Manager

## Assign resources

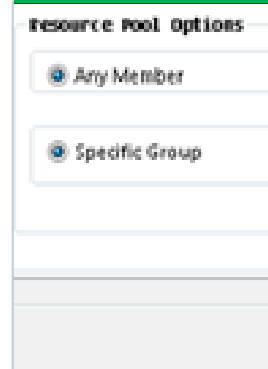
### Save time when assigning resources to tasks

#### 可以指派group / role成为Placeholder



- Select a group/role to create a *placeholder* assignment
- Alternative to disciplines

#### 可以指派group / role到资源池



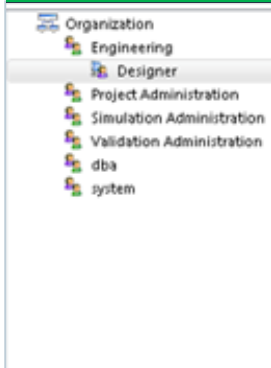
- Select a group/role to create a *resource pool* assignment
- Assign to “all” or assign to “any”

# What's New in Schedule Manager

## Assign resources

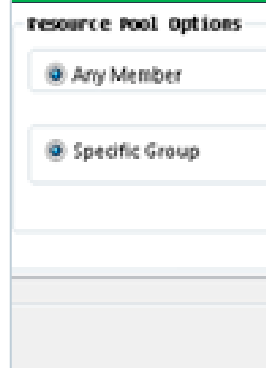
### Save time when assigning resources to tasks

#### 可以指派group / role成为Placeholder



- Select a group/role to create a *placeholder* assignment
- Alternative to disciplines

#### 可以指派group / role到资源池



- Select a group/role to create a *resource pool* assignment
- Assign to “all” or assign to “any”

#### 可以从项目组挑选成员



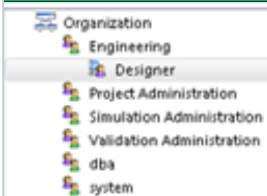
- Assign users from project teams

# What's New in Schedule Manager

## Assign resources

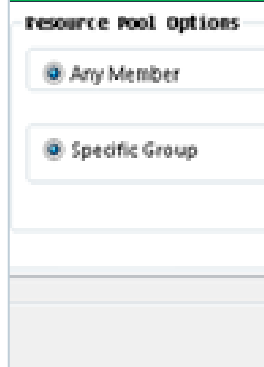
### Save time when assigning resources to tasks

#### 可以指派group / role成为Placeholder



- Select a group/role to create a *placeholder* assignment
- Alternative to disciplines

#### 可以指派group / role到资源池



- Select a group/role to create a *resource pool* assignment
- Assign to “all” or assign to “any”

#### 可以自动成为时间表成员



- System will automatically add users as schedule members

#### 可以从项目组挑选成员



- Assign users from project teams

# What's New in Schedule Manager

## Assign resources

SIEMENS

### Enhanced Assignment Dialog

多出了许多功能 & 人员指派的面页

Search for tasks

< Type to filter tasks by name

Schedule Tasks	Load	Note	Discipli...	Placeh...	Privileged ...	Qu
[-] Train_002						
[-] T1					plm2 (pl...	
[-] T2	69.566%				plm2 (pl...	
[-] T3	100.0%				u31 (u31)	
[-] T4	16.667%					
[-] T5	100.0%				plm2 (pl...	
[-] T6	100.0%				plm2 (pl...	
[-] T7	100.0%					
[-] T8	100.0%					
[-] T9	100.0%				plm2 (pl...	
[-] T10	100.0%				plm2 (pl...	
[-] T11	100.0%					
[-] T12	100.0%					
[-] T13	100.0%				PJL.tw/PJL...	
[-] T14	100.0%					

Organization | Project Teams | Disciplines | Qualifications | Search

< Type to filter Organization by Group, Role, User

Organization hierarchy, Teams and Disciplines to choose appropriate resource

Placeholder vs. resource pool options

☐ Placeholder Assignment

Resource Pool Options/Placeholder Options

☒ Any Member ☐ All Members

☒ Specific Group ☐ Any Group

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Industry Automation

## Assign Project Team to Schedule

### ■ Select member in Project Team

可以从Project Member来指派成员

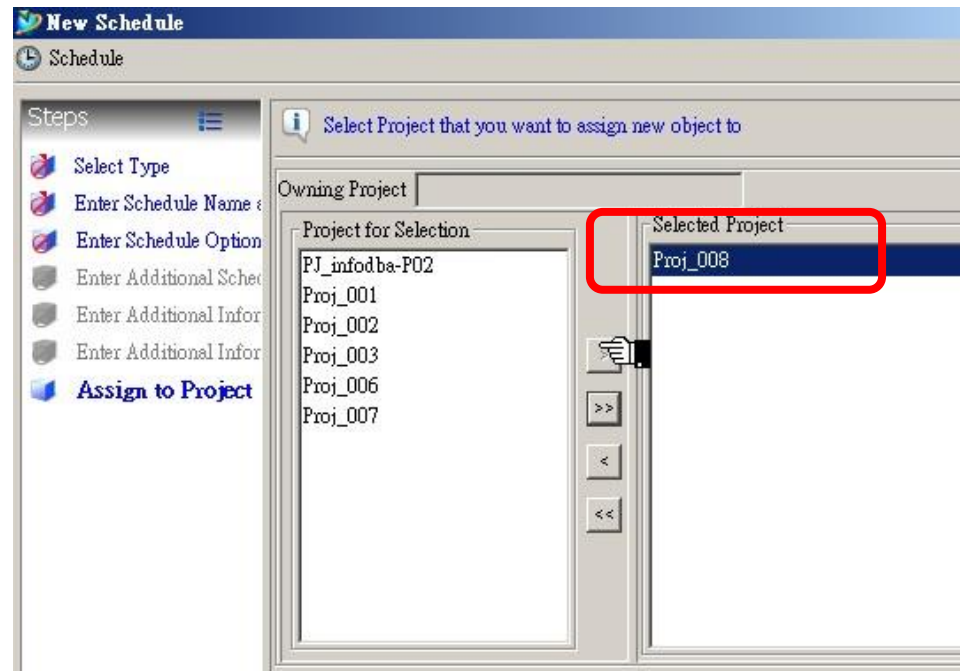
### ■ When creating a Schedule

可以直接指派Project Team给项目

**Last step**

## Assign Project Team to Schedule

Name	Status
[-] AEO2.116.tw.EE	
ALBERT.CHAO (albert.chao)	Privileged
ALVIN.LIN (alvin.lin)	Privileged
[-] AEO2.116.tw.FE	
BENJAMIN.WUENG (benjamin.wueng)	Privileged
[+] PJL.116.tw.PJL	
WILLIAM.YL.LEE (william.yl.lee)	Privileged
[+] Proj_008.Project Administrator	
[+] Project Administration.Project Administrator	



## Assign Task by Project Team member

- Assign user based on Project Team Member
- Link to project member, Easier assignment

The screenshot displays the Siemens software interface for task assignment. On the left, a table lists tasks and their resource levels. On the right, a sidebar shows the organization structure with 'Project Teams' selected and 'Proj\_005' expanded, listing team members like 'Project Administrator', 'Engineer', 'EE', 'IE', 'LEADER', 'ME', 'Engineering/ME/u14', and 'PMO'. The 'Engineering/ME/u14' member is highlighted. Below the list, there are options for 'Place Holder Assignment' and 'Resource Pool Options'.

Schedule Tasks	Privileged user	Resource Level	Resource Graph
PJ_00128			
TT1			
ME		100.0%	
TT2			
IE		100.0%	
TT3			
LEADER		100.0%	
TT4			
EE		100.0%	

Organization: **Project Teams** | Disciplines

Projects: Proj\_005

<Type to filter Project Team Members by Name>

- Proj\_005
  - Project Administrator
  - Engineer
  - EE
  - IE
  - LEADER
  - ME
  - Engineering/ME/u14**
  - PMO

☐ Place Holder Assignment

Resource Pool Options

☒ Any Member ☐ All Member

☒ Specific Group ☐ Any Group

# Assign thru Resource Pool

## ■ Assign task by Group/Role

## ■ Placeholder

Placeholder用来控制是否要事先指派人员

- Check – Requires to assign user before task launched
- Uncheck – send to resource pool

The screenshot displays two side-by-side windows from the Siemens software interface.

**Left Window (Task List):** A table titled "<Type to filter tasks by name>" showing a list of tasks and their resource assignments. The columns are Schedule Tasks, Load, Note, Discipli..., Placch..., Privileged ..., and Qu. The tasks listed include Train\_002, T1, T2, TT3, T4, T55, T66, T79, T77, T78, T79, T333, and T35. The last row, T35, is highlighted in blue and shows the resource assignment "PJL.tw/PJL/\*".

**Right Window (Resource Pool):** A window titled "Organization" with tabs for Project Teams, Disciplines, Qualifications, and Search. It contains a search bar "<Type to filter Organization by Group, Role, User Name or User ID>" and a list of users. The user "PJL" is highlighted with a red box. Below the list, the "Placeholder Assignment" checkbox is also highlighted with a red box and is currently unchecked. At the bottom, there are "Resource Pool Options/Placeholder Options" with radio buttons for "Any Member", "All Members", "Specific Group", and "Any Group".

## Assign by Qualified user

- Define Task Qualification
- Search Qualified user for assignee

用来设定工作任何的资源条件

可以搜寻合格的资源

The screenshot displays the 'Task Assignment' dialog box with the 'Qualifications' tab selected. The 'Search' button is highlighted with a red box. The 'Search Criteria' section shows 'intermediate' selected for 'Qualification' and 'Level\_01' for 'Level'. The 'Results' section lists two users: 'plm1 (plm1)' and 'KANG.CAO (kang.cao)', both with 'intermedi...' for 'Qualification' and 'Level\_01' for 'Level'. The 'Assign' button is also visible.

**Task Assignment**  
Assign All Tasks

<Type to filter tasks by name>

Schedule Tasks	Load	Note	Di...	P...	Privilege...	Qualification
Train_002						
T1					plm2 (...)	
T2	69.566%				plm2 (...)	
T3	100.0%				u31 (...)	
T4	16.667%				plm2 (...)	
T5	100.0%				plm2 (...)	
T6	100.0%				plm2 (...)	
T7	100.0%				plm2 (...)	
T8	100.0%				plm2 (...)	
T9	100.0%				plm2 (...)	
T10	100.0%				plm2 (...)	
T11	100.0%				plm2 (...)	
T12	100.0%				plm2 (...)	
T13	100.0%				plm2 (...)	
T14	100.0%				plm2 (...)	
T15	100.0%				plm2 (...)	
T16	100.0%				plm2 (...)	
T17	100.0%				plm2 (...)	
T18	100.0%				plm2 (...)	
T19	100.0%				plm2 (...)	
T20	100.0%				plm2 (...)	
T21	100.0%				plm2 (...)	
T22	100.0%				plm2 (...)	
T23	100.0%				plm2 (...)	
T24	100.0%				plm2 (...)	
T25	100.0%				plm2 (...)	
T26	100.0%				plm2 (...)	
T27	100.0%				plm2 (...)	
T28	100.0%				plm2 (...)	
T29	100.0%				plm2 (...)	
T30	100.0%				plm2 (...)	
T31	100.0%				plm2 (...)	
T32	100.0%				plm2 (...)	
T33	100.0%				plm2 (...)	
T34	100.0%				plm2 (...)	
T35	100.0%				plm2 (...)	intermediate

Organization | Project Teams | Disciplines | **Qualifications** | Search

Existing Qualifications

Qualification	Level
intermediate	Level_01

Assign Qualifications

Qualification: intermediate

Qualification Level: Level\_01

Assign

Search Criteria

Discipline: Placeholder

Qualification: ☒ intermediate

Level: Level\_01

Find Resources ☐ Show Alternates

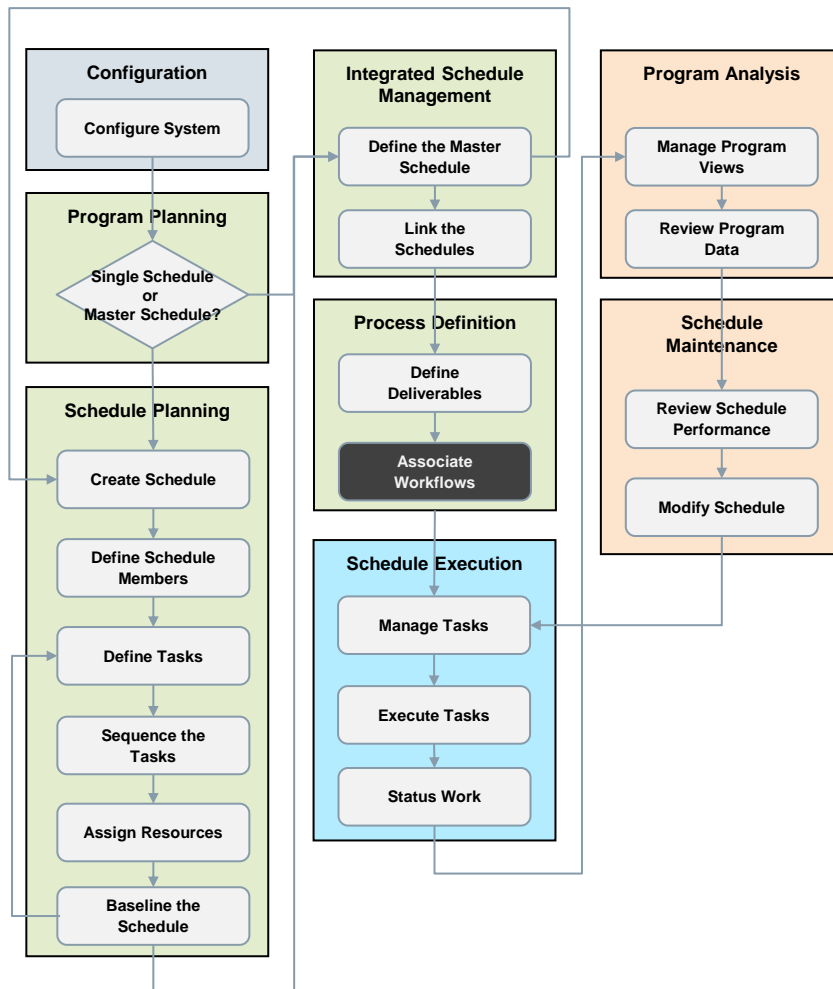
Results

User	Qualification	Level	Expiration date
<input type="checkbox"/> plm1 (plm1)	intermedi...	Level_01	
<input type="checkbox"/> KANG.CAO (kang.cao)	intermedi...	Level_01	

Show Resource Graph

OK Cancel

# Process Execution Agenda



## What's New in Schedule Manager

- Schedule Planning
- **Process Definition**
- Schedule Execution
- Schedule Maintenance

# What's New in Schedule Manager

## Associate workflow process to schedule task

Save time by automating schedule tasks with workflow processes

### Assign process owner & privileged user

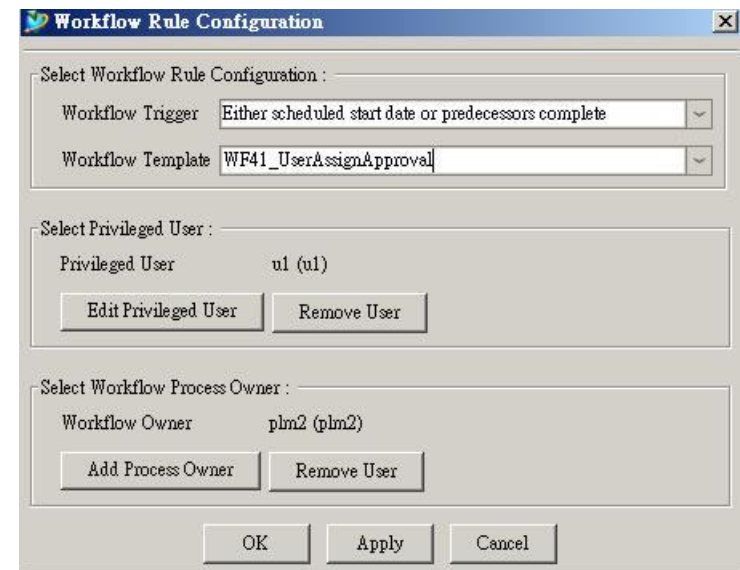
Privilege User

Assign Privilege User

bar

Organization  
Engineering

- The process owner can default to the coordinator creating the schedule task
- The coordinator can specify any user as the process owner (does not need to be a schedule member)
- The privileged user can be a named user or a resource pool and must be an assignee to the schedule task



The image shows a 'Workflow Rule Configuration' dialog box. It has three main sections: 'Select Workflow Rule Configuration', 'Select Privileged User', and 'Select Workflow Process Owner'. The first section contains 'Workflow Trigger' (set to 'Either scheduled start date or predecessors complete') and 'Workflow Template' (set to 'WF41\_UserAssignApproval'). The second section shows 'Privileged User' as 'u1 (u1)' with 'Edit Privileged User' and 'Remove User' buttons. The third section shows 'Workflow Owner' as 'plm2 (plm2)' with 'Add Process Owner' and 'Remove User' buttons. At the bottom are 'OK', 'Apply', and 'Cancel' buttons.

## Assign task thru workflow

- Privileged User v.s. Process Owner
- First Do Task would be assigned by **Privileged user**

建议第一次设定时, 别忘了设 Privileged User

<Type to filter tasks by name>

Schedule Tasks	Load	Note	Discipli...	Placch...	Privileged ...	Qu
Train_002						
T1					plm2 (pl...	
plm2 (plm2)	69.566%					
T2					plm2 (pl...	
plm2 (plm2)	100.0%					
TT3					u31 (u31)	
u31 (u31)	16.667%					
T4					plm2 (pl...	
plm2 (plm2)	100.0%					
T55					plm2 (pl...	
plm2 (plm2)	100.0%					
T66					plm2 (pl...	
plm2 (plm2)	100.0%					
T79					plm2 (pl...	
plm2 (plm2)	100.0%					
T77						
T78					plm2 (pl...	
plm2 (plm2)	100.0%					
T79					plm2 (pl...	
plm2 (plm2)	100.0%					
T333					plm2 (pl...	
plm2 (plm2)	100.0%					
T35					PJL.tw/PJ...	
PJL.tw/PJL/*	100.0%					
T36						
u1 (u1)	100.0%					

Assign as Privileged user  
Send an instant message to assigned User

**Workflow Rule Configuration**

Select Workflow Rule Configuration :

Workflow Trigger: Either scheduled start date or predecessors complete

Workflow Template: WF41\_UserAssignApproval

Select Privileged User :

Privileged User: u1 (u1)

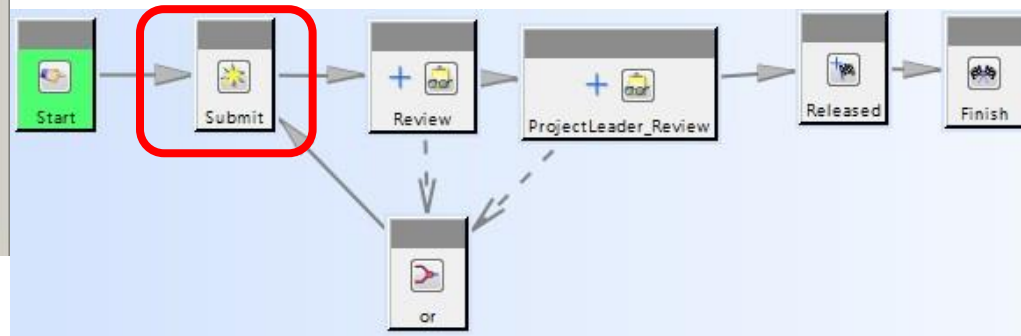
Edit Privileged User Remove User

Select Workflow Process Owner :

Workflow Owner: plm2 (plm2)

Add Process Owner Remove User

OK Apply Cancel



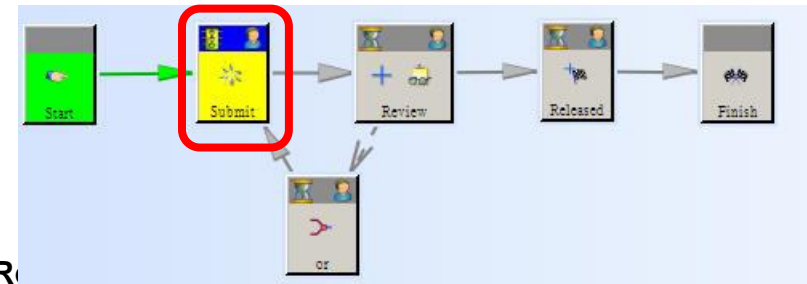
## Assign thru Resource Pool

- Assign task by Resource Pool Option
- Subscribe to claim job 若指派了资源池, 则必须先接受工作

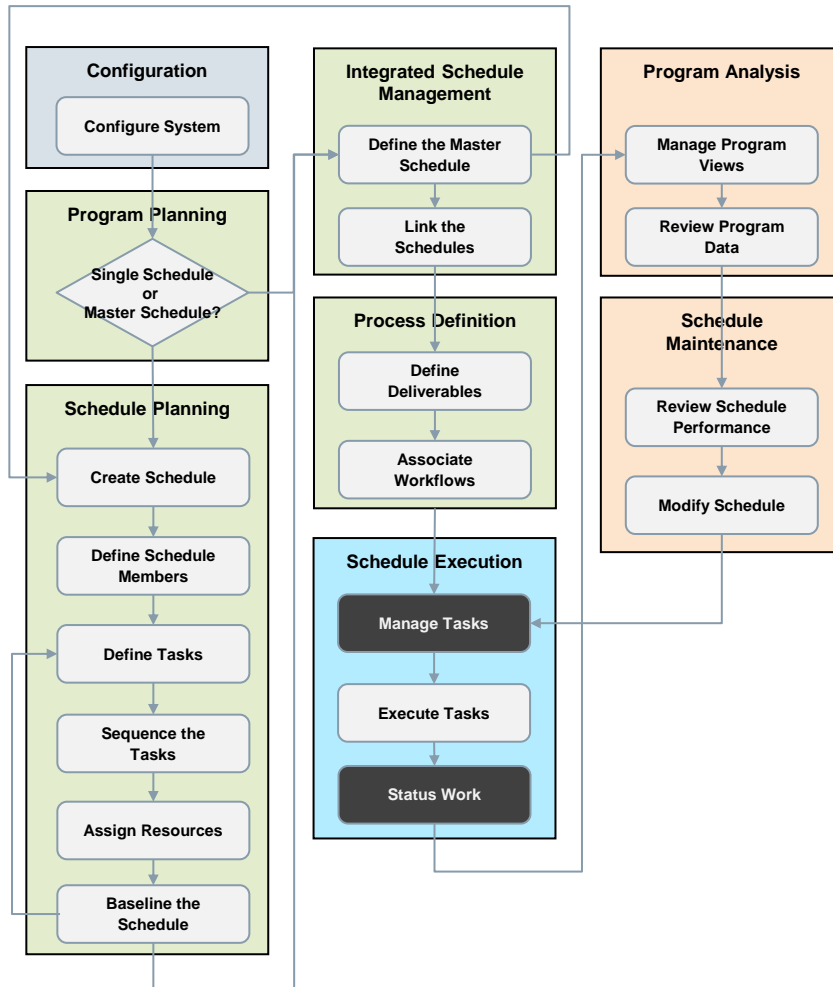
The screenshot displays the Siemens software interface. On the left, a table lists tasks under the 'Train\_002' project. The table has columns for 'Schedule Tasks', 'Load', 'Note', 'Discipli...', 'Placeh...', 'Privileged ...', and 'Qu'. The tasks are T1 through T35, with various resource assignments and load percentages. The last row, T35, is highlighted in blue and shows the resource 'P.JL.tw/P.JL/\*' with a 100.0% load.

On the right, the 'Workflow Rule Configuration' dialog box is open. It has tabs for 'Organization', 'Project Teams', 'Disciplines', and 'Qualifications'. The 'Organization' tab is selected, showing a tree view of the organization structure. The 'Placeholder Assignment' section is checked, and the 'Resource Pool Options/Placeholder Opti...' section is visible. The 'Workflow Rule Configuration' section shows the 'Workflow Trigger' set to 'Either scheduled start date or predecessors complete' and the 'Workflow Template' set to 'WF41\_UserAssignApproval'. The 'Privileged User' is set to 'P.JL.tw/P.JL/\*', and the 'Workflow Process Owner' is set to 'plm2 (plm2)'. The 'Edit Privileged User' and 'Remove User' buttons are highlighted with a red box.

The screenshot displays the Siemens software interface. On the left, a tree view shows the project structure. The 'My Worklist' folder is expanded, showing sub-folders for 'plm2 (plm2) Inbox (176)', 'test.tw/Leader Inbox', and 'P.JL.tw/P.JL Inbox'. The 'P.JL.tw/P.JL Inbox' folder is highlighted with a red box, and it contains a task named 'T35 (Submit)'.



# Process Execution Agenda



## What's New in Schedule Manager

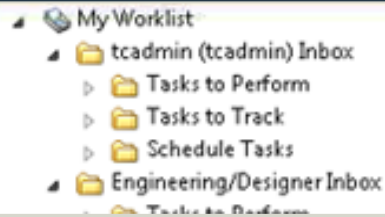
- Schedule Planning
- Process Definition
- **Schedule Execution**
- Schedule Maintenance

# What's New in Schedule Manager

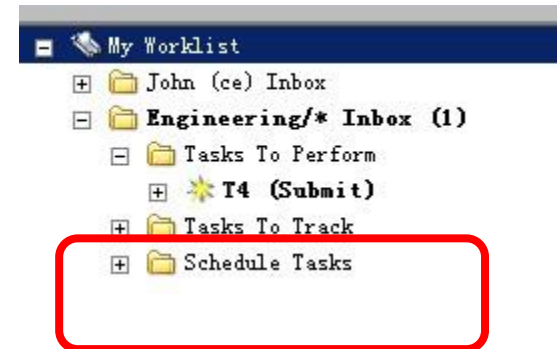
## Manage task assignments and status work

### Increase resource productivity

#### All task assignments available in the worklist



- Single location for resources to access workflow tasks and schedule tasks
- Resources can “claim” tasks assigned to resource pools



先将角色Inbox打开, 才能接受工作

# What's New in Schedule Manager

## Manage task assignments and status work

### See schedule task assignments from worklist

先将角色Inbox打开, 才能接受工作

The screenshot displays the 'My Teamcenter' web interface. The left pane shows a tree view under 'My Worklist' with folders for 'tcadmin (tcadmin) Inbox', 'Engineering/Designer Inbox', and 'Schedule Tasks'. The 'Ntask' item is selected. The right pane shows the 'Ntask' details, including its name, description, release status, and type (Schedule Task). The 'Overview' tab is active, showing properties like Owner (tcadmin (tcadmin)), Checked-Out status, and Checked-Out By (No Value).

New Inbox folder for schedule tasks

Schedule tasks assigned to resource pool

**Ntask**  
Name: Description: Release Status: Type:  
Ntask Schedule Task

**Overview**

Properties

Name: Ntask

Description:

Owner: ☐ tcadmin (tcadmin)

Checked-Out:

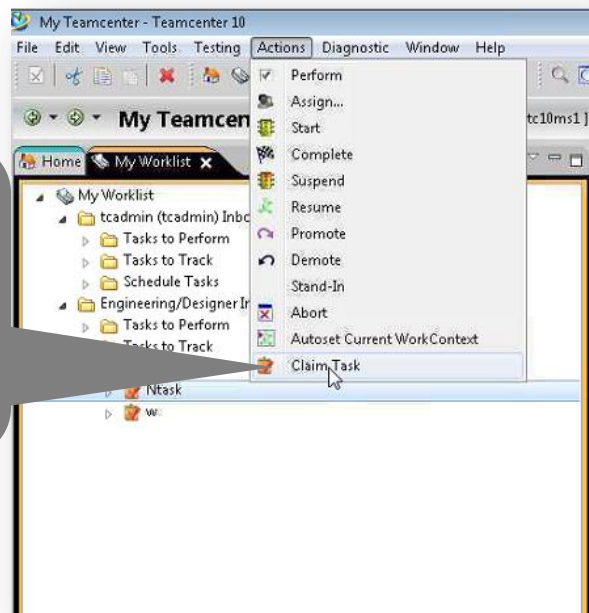
Checked-Out By: No Value

[More Properties...](#)

# What's New in Schedule Manager

## Manage task assignments and status work

### Claim schedule task resource pool assignments from worklist



User can claim the schedule task

Note: Same concept now applies to workflow tasks

# What's New in Schedule Manager

## Manage task assignments and status work

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### Claim schedule task resource pool assignments from worklist

User can claim the schedule task

Note: Same concept now applies to workflow tasks

The screenshot displays the Siemens Teamcenter 10 interface. On the left, the 'My Teamcenter' window shows a 'My Worklist' pane with a tree view containing folders like 'Tasks to Perform', 'Schedule Tasks', and 'Tasks to Track'. A context menu is open over the 'ClaimTask' option. The main window is titled 'Schedule Manager' and shows a 'Task Assignment' dialog. The dialog has a search bar and a table with columns: 'Schedule Tasks', 'Resource Level', and 'Resource Graph'. The table lists tasks under 'Sccl1', including 'qq', 'w', 'pgt (Phase)', 'pgt (Start)', 'aa', 'pgt (End)', 'pgt (Gate)', 'Ntask', and 'tcadmin (tcadmin)'. The 'Ntask' row is highlighted, and a callout points to it with the text 'System automatically updates the schedule membership and task assignment'. The bottom of the screen has a green bar with the text '接受工作后, 系统自动改成人名'.

Schedule Tasks	Resource Level	Resource Graph
Sccl1		
qq		
Designer	100.0%	
AbnaveRupali (abnave)	100.0%	
w		
ALL - dba/DBA	100.0%	
Engineering/Designer	100.0%	
pgt (Phase)		
pgt (Start)		
aa		
pgt (End)		
pgt (Gate)		
Ntask		
tcadmin (tcadmin)	100.0%	
Ntask1		

System automatically updates the schedule membership and task assignment





接受工作后, 系统自动改成人名 served.  
Industry Automation

# What's New in Schedule Manager

## Manage task assignments and status work

### Increase resource productivity

利用Workflow自动将项目工作的状态更新

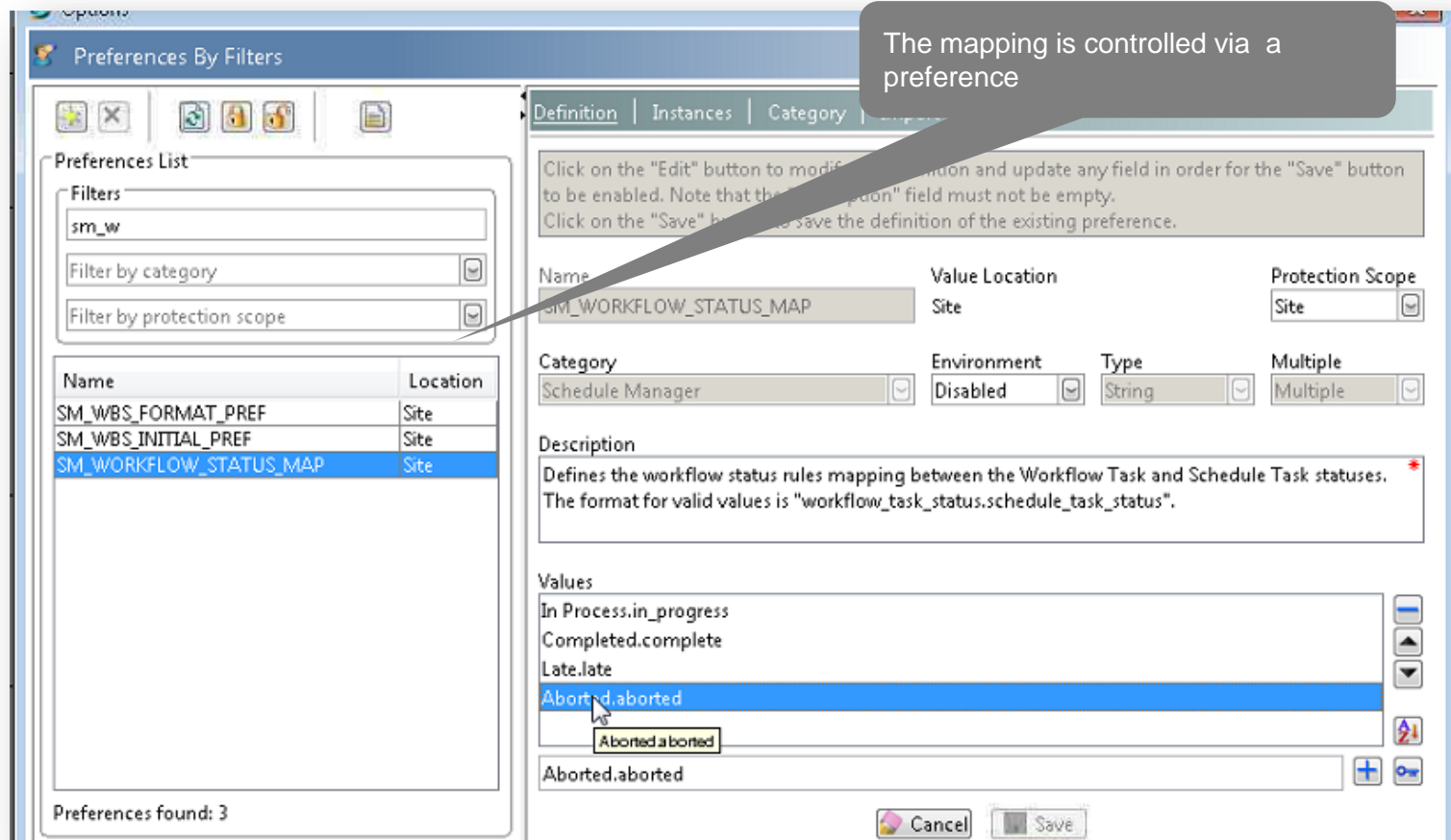
Object	State	Status	Status Indi...
TT_Schedule	In Progress	Needs Atten...	
Phase I	In Progress	In Progress	
Phase II	In Progress	Late	
Phase III	In Progress	Needs Atten...	

- Workflow-schedule task interaction can be configured so that workflow status will set the schedule task status
- Saves time for resources – no need to manually update WIP status
- Saves time for coordinators – no need to drill into workflow process

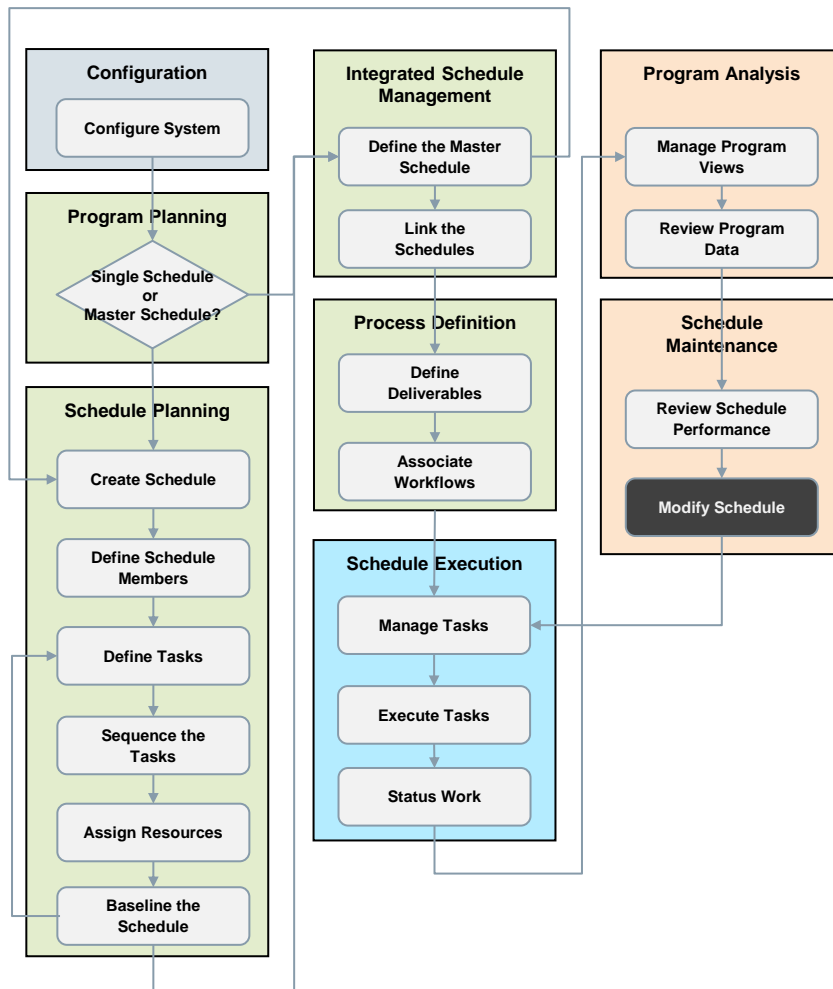
# What's New in Schedule Manager

## Manage task assignments and status work

### Use workflow to set the schedule task status



# Process Execution Agenda



## What's New in Schedule Manager

- Schedule Planning
- Process Definition
- Schedule Execution
- **Schedule Maintenance**

# What's New in Schedule Manager

## Update / maintain the schedule

**SIEMENS**

**Keep the schedule on track... with less work**

### Actual date to schedule date linking

实际工作日期与计划工作日期连结

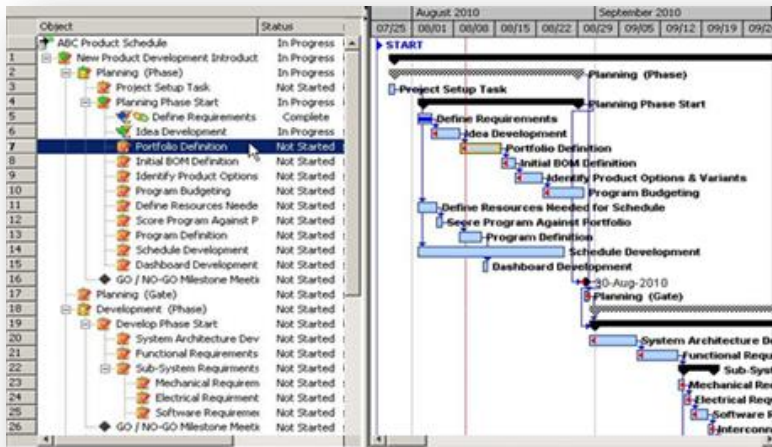


- Sometimes, it's best just to go with the flow
- System will set a task's scheduled start / finish date to the actual start / finish date
- Less time spent by coordinators adjusting the plan to match reality
- Makes the system more effective at automatically starting tasks per the schedule

# What's New in Schedule Manager

## Update / maintain the schedule

### Actual date to schedule date linking



The 'Schedule Task' dialog box for 'Portfolio Definition' is shown. It contains the following fields:

- Name: Portfolio Definition
- Description: (empty)
- Start Date: 09-Aug-2010 10:00
- Actual Start Date: No date set.
- Finish Date: 16-Aug-2010 10:00
- Actual Finish Date: No date set.

Orange arrows point from the 'Actual Start Date' and 'Actual Finish Date' fields to the 'Start Date' and 'Finish Date' fields respectively, indicating the linking of actual dates to schedule dates.

How it works:

1. The task's actual date is updated (by user or by the system)
2. The task's schedule date is updated by the system to the value of the actual date
3. The system treats this like any schedule date update...
4. The finish date is rescheduled
5. Dependent tasks are rescheduled

# What's New in Schedule Manager

## Update / maintain the schedule

### Keep the schedule on track... with less work

#### Actual date to schedule date linking



- Sometimes, it's best just to go with the flow
- System will set a task's scheduled start / finish date to the actual start / finish date
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- Makes the system more effective at automatically starting tasks per the schedule

#### Abort tasks

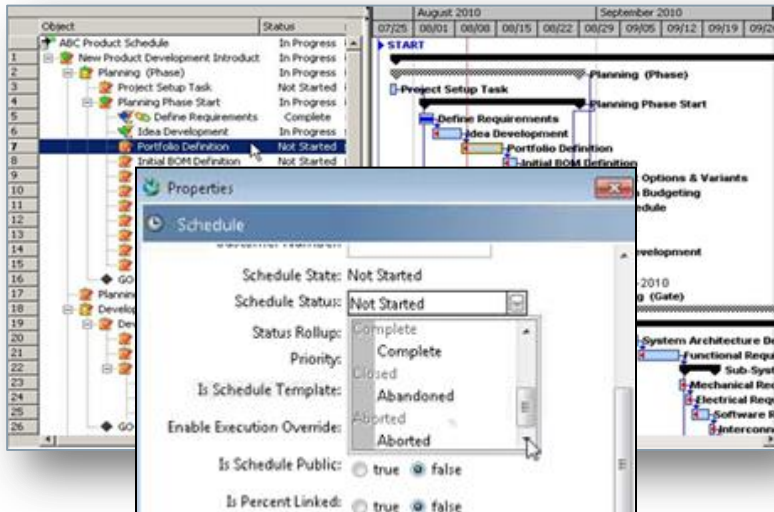


- “All hands stop”
- New schedule / schedule task state
- Ideal for dynamic environments where scheduling decisions happen quickly
- Results in an immediate, irreversible cessation of all schedule or schedule task activities

# What's New in Schedule Manager

## Update / maintain the schedule

### Task abort



### Schedule abort

- Schedule status is set to abort
- All planned and in progress tasks have status set to abort
- All active workflows are aborted

### Summary task abort

- All planned and in progress tasks have status set to abort
- All active workflows are aborted

### Task abort

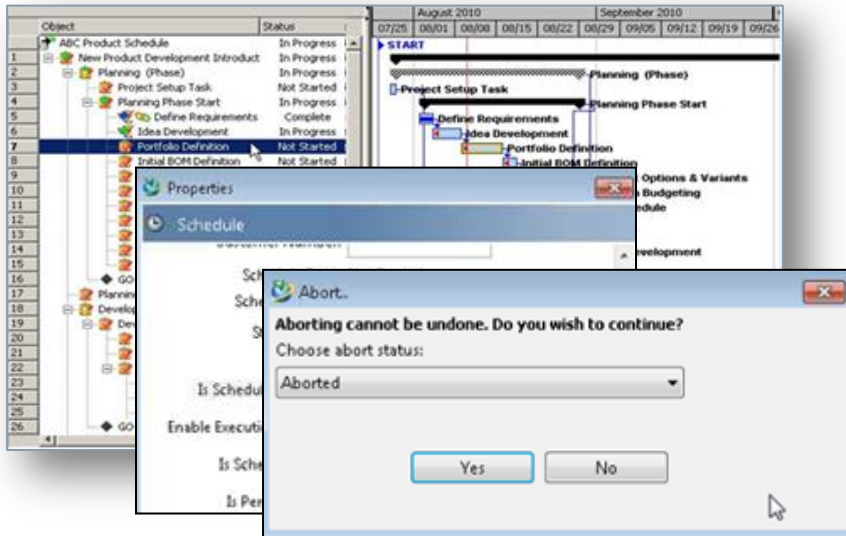
- Workflow is aborted

Notifications are sent to resources

# What's New in Schedule Manager

## Update / maintain the schedule

### Task abort



### Schedule abort

- Schedule status is set to abort
- All planned and in progress tasks have status set to abort
- All active workflows are aborted

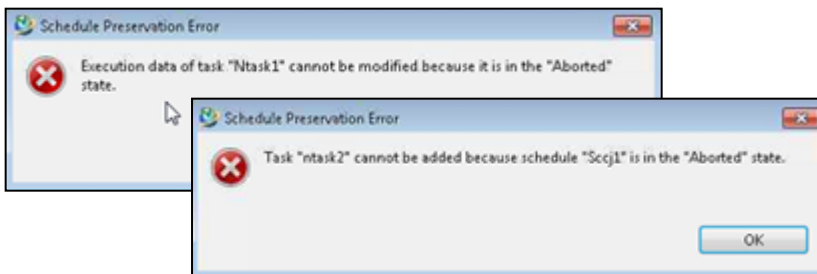
### Summary task abort

- All planned and in progress tasks have status set to abort
- All active workflows are aborted

### Task abort

- Workflow is aborted

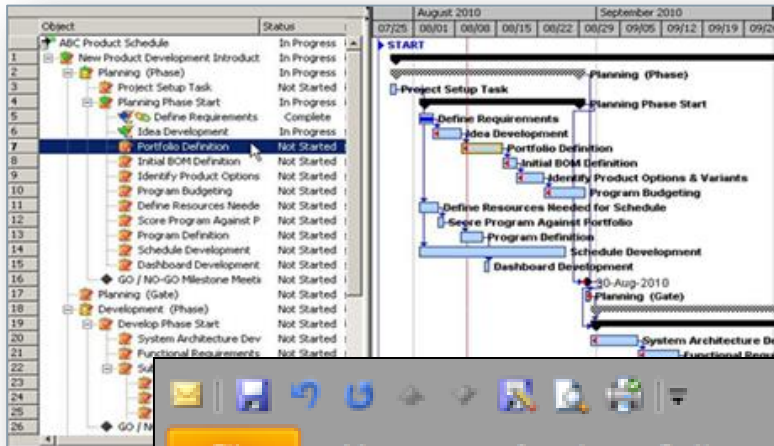
### Notifications are sent to resources



# What's New in Schedule Manager

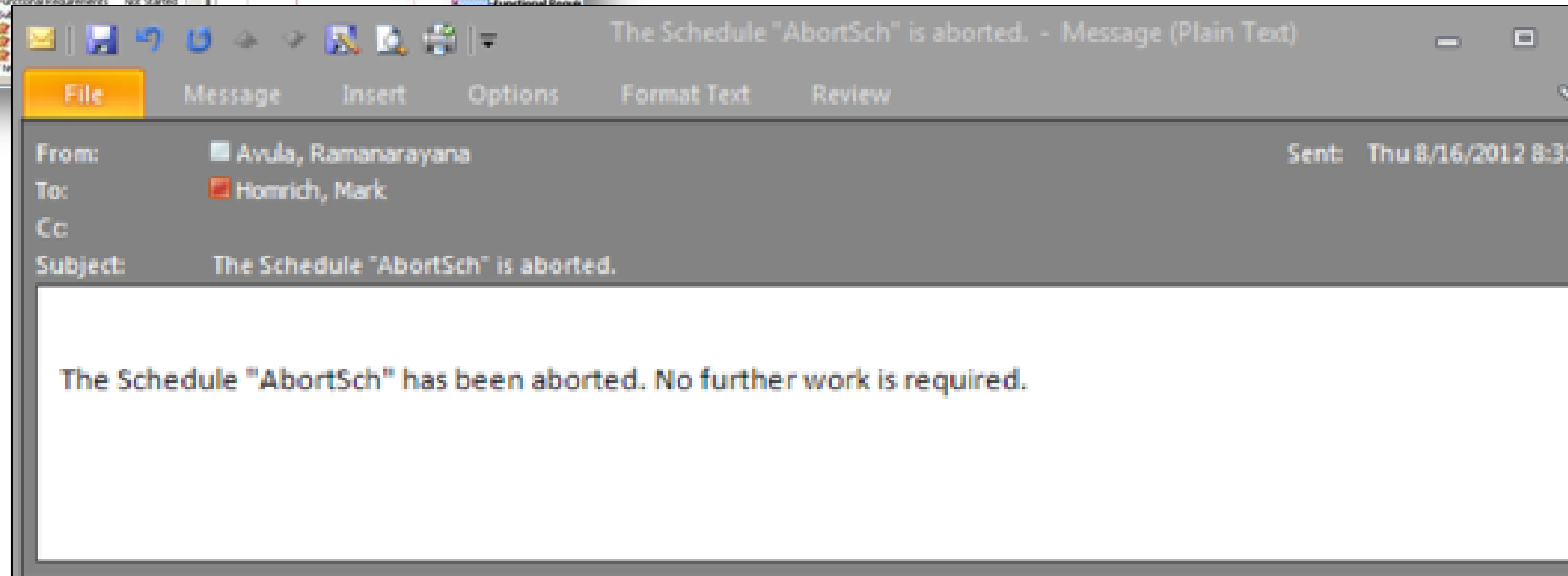
## Update / maintain the schedule

### Task abort



### Schedule abort

- Schedule status is set to abort
- All planned and in progress tasks have status set to abort
- All active workflows are aborted



# What's New in Schedule Manager

## Update / maintain the schedule

### Keep the schedule on track... with less work

#### Preserve schedule data / structure

可以设定修改的过滤条件



- Preference-controlled, state-based behavior that determines when a schedule or task can be updated or deleted
- Maintain schedule (structure) integrity
- Prevent schedule modifications
- Preferences
  - SM\_PREVENT\_DELETE\_STATES
  - SM\_PREVENT\_UPDATE\_STATES

Preference "SM\_PREVENT\_DELETE\_STATES"

Valid values are: in\_progress, aborted, complete, closed

For example, set **in\_progress** in this Preference

Then task with this status cannot be deleted

Preference "SM\_PREVENT\_UPDATE\_STATES"

Valid values are: in\_progress, aborted, complete, closed

For example, set **in\_progress** in this Preference

Then task with this status cannot be updated

# What's New in Schedule Manager

## Update / maintain the schedule

### Keep the schedule on track... with less work

#### Preserve schedule data / structure



- Preference-controlled, state-based behavior that determines when a schedule or task can be updated or deleted
- Maintain schedule (structure) integrity
- Prevent schedule modifications
- Preferences
  - SM\_PREVENT\_DELETE\_STATES
  - SM\_PREVENT\_UPDATE\_STATES

#### Audit Log的报表



- The two most commonly asked project scheduling questions
  - Where am I? How did I get here?
- Select the system and user actions to be recorded by audit manager
- Process history can be viewed from the schedule context (as well as the item context)

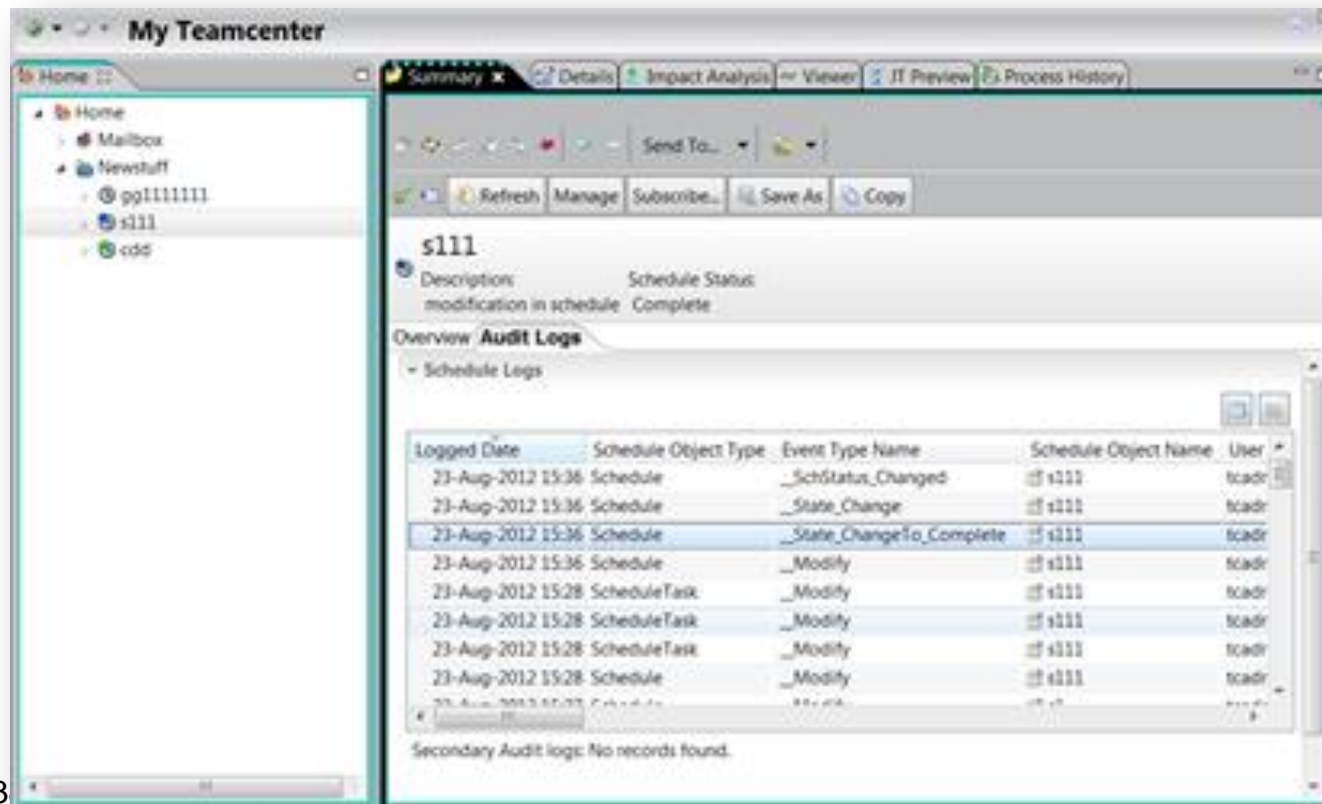
# What's New in Schedule Manager

## Update / maintain the schedule

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## Contextual signoff & process history

## Schedule level



**My Teamcenter**

Home | Mailbox | Newstuff | s111 | cdd

Summary | Details | Impact Analysis | Viewer | IT Preview | Process History

Send To... | Refresh | Manage | Subscribe... | Save As | Copy

**s111**

Description: modification in schedule | Schedule Status: Complete

Overview | **Audit Logs**

Schedule Logs

Logged Date	Schedule Object Type	Event Type Name	Schedule Object Name	User
23-Aug-2012 15:36	Schedule	_SchStatus_Changed	s111	tcadr
23-Aug-2012 15:36	Schedule	_State_Change	s111	tcadr
23-Aug-2012 15:36	Schedule	_State_ChangeTo_Complete	s111	tcadr
23-Aug-2012 15:36	Schedule	_Modify	s111	tcadr
23-Aug-2012 15:28	ScheduleTask	_Modify	s111	tcadr
23-Aug-2012 15:28	ScheduleTask	_Modify	s111	tcadr
23-Aug-2012 15:28	ScheduleTask	_Modify	s111	tcadr
23-Aug-2012 15:28	Schedule	_Modify	s111	tcadr

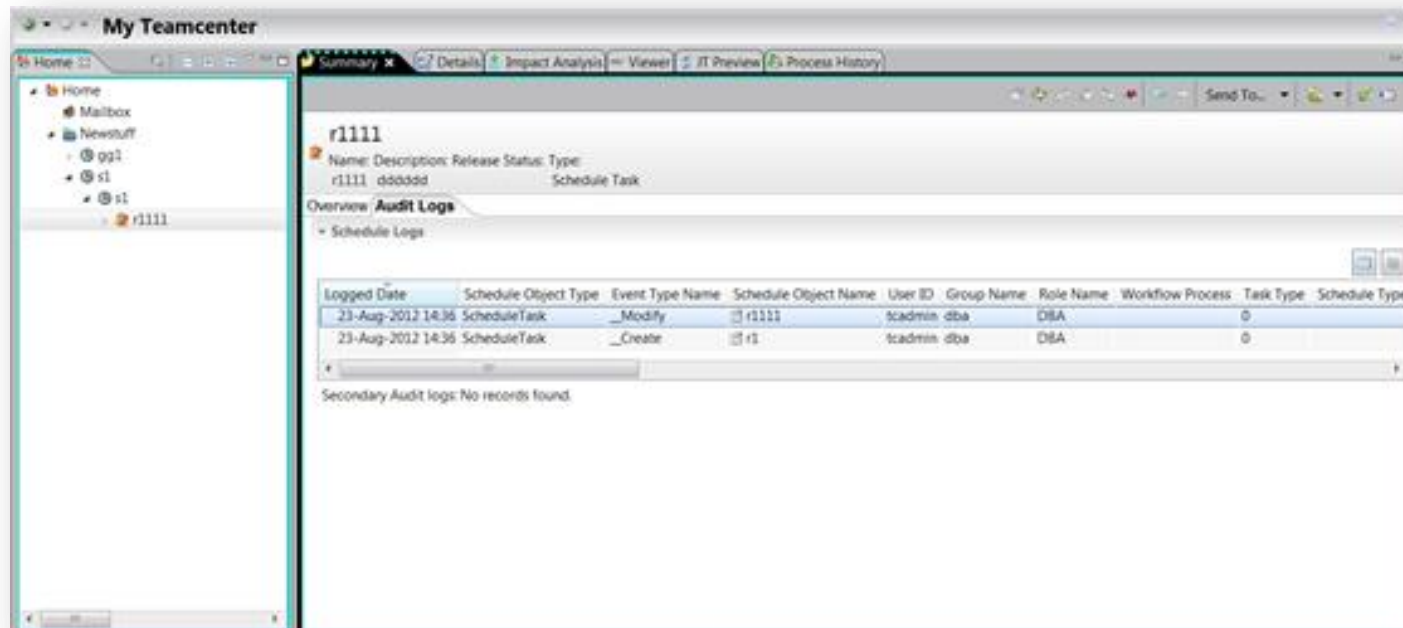
Secondary Audit logs: No records found.

# What's New in Schedule Manager

## Update / maintain the schedule

## Contextual signoff & process history

## Schedule task level



# What's New in Schedule Manager

## Update / maintain the schedule



## Contextual signoff & process history

### What's logged

Create schedule  
Modify schedule  
Delete schedule  
Create task  
Modify task  
Delete task  
Create task dependency  
Modify task dependency  
Delete task dependency  
Create schedule deliverable  
Modify schedule deliverable  
Delete schedule deliverable  
Create task deliverable  
Modify task deliverable

Delete task deliverable  
Create schedule membership  
Modify schedule membership  
Delete schedule membership  
Create task resource assignment  
Modify task resource assignment  
Delete task resource assignment  
Add workflow template to a task  
Change the workflow template  
Remove workflow template from task  
Launch Workflow  
Task Status Change  
Task State Change  
Task Scheduling Data Change

Task Execution Data Change  
Schedule Status Change  
Schedule State Change  
Task State to Not Started  
Task State to In Progress  
Task State to Complete  
Task State to Closed  
Task State to Abort  
Schedule State to Not Started  
Schedule State to In Progress  
Schedule State to Complete  
Schedule State to Closed  
Schedule State to Abort  
Create schedule baseline

# Schedule Manager Performance

## Teamcenter 11.2



### Project Goals

重新改写, 放弃继承Item, 以数据库表格&新逻辑方式

- Move the business logic from the client to the server, so the product behaved like a Teamcenter citizen and create a base for Active Workspace development
- Simplify the data model to a light weight WSO based architecture to lay a foundation for a much faster performance and scalability of the Schedule Manager product.
- Support legacy published APIs and provide new published APIs

### Project Summary

- Large and complex project that achieved all goals successfully
- Completed benchmarking performance of all use cases in Tc11.2 and Tc10.1.2
- Significant improvements (ranging 10 to 225 times) observed to have been achieved in 11.2 with the WSO based re-architecture project in every one of those use cases.

# Schedule Manager Performance

## Teamcenter 11.2



### Performance Details 全新&优异的性能表现

Performance Use Case	Time taken (seconds)		Improvement Tc10.1/Tc11.2	
	Tc10.1	Tc11.2	Times (X)	Percentage
Load schedule of 3000 tasks, 3000 resource assignments	90	7	12.9	92.2%
Insert new task in 3000 task schedule	27	1	27.0	96.3%
copy paste 20 tasks in 3000 task schedule	190	3.85	49.4	98.0%
Indent 20 tasks in 3000 task schedule	36.86	3	12.3	91.9%
Delete 20 tasks in 3000 task schedule	65	5	13.0	92.3%
Create dependency in 3000 task schedule	5	0.5	10.0	90.0%
Delete dependency in 3000 task schedule	4	0.5	8.0	87.5%
Insert sub schedule in 3000 task schedule	140	8.8	15.9	93.7%
Detach sub schedule in 3000 task schedule	41	3.6	11.4	91.2%
Copy paste single task in 3000 task schedule	25	0.47	53.2	98.1%
Indent single task in 3k task schedule	17.83	1.15	15.5	93.6%
Delete single task in 3k task schedule	28	1.01	27.7	96.4%
Assign single resource to task in 3000 task schedule	3	0.48	6.3	84.0%
Shift 3000 task schedule	600	36.37	16.5	93.9%
Modify leaf-level task start date, no dependencies in 3000 task schedule	15	0.5	30.0	96.7%
Modify leaf-level task start date, with 20 dependent tasks	5	1.06	4.7	78.8%
Drag 20 tasks (with dependencies)	7	3	2.3	57.1%
Assign single resource to multiple tasks	15	0.85	17.6	94.3%
Assign multiple resources to multiple tasks	15	3.44	4.4	77.1%



**Technical Transfer**

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**Thank you**

**TEAMCENTER**



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