

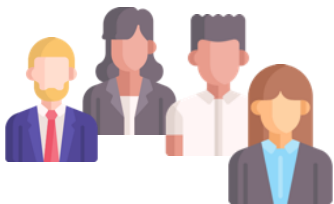


HORIZONT

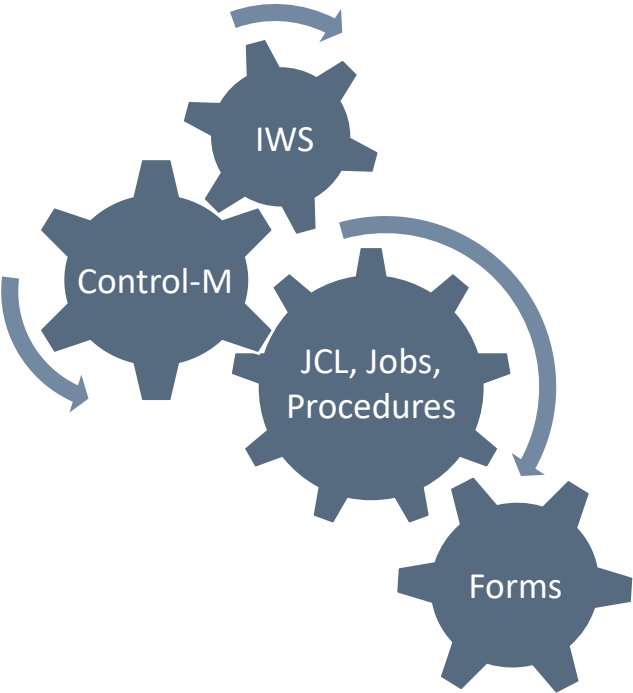
ProcMan

The Handover Process Manager

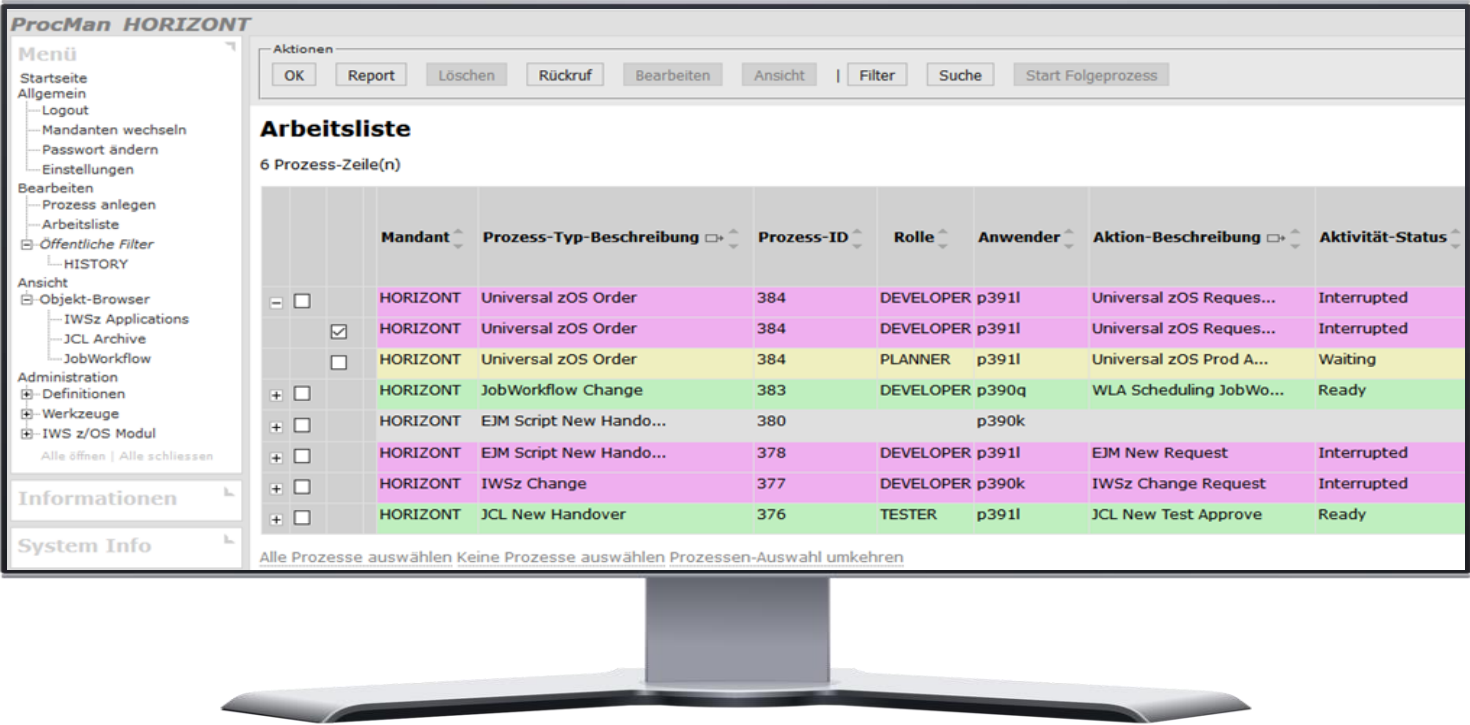
ProcMan Overview



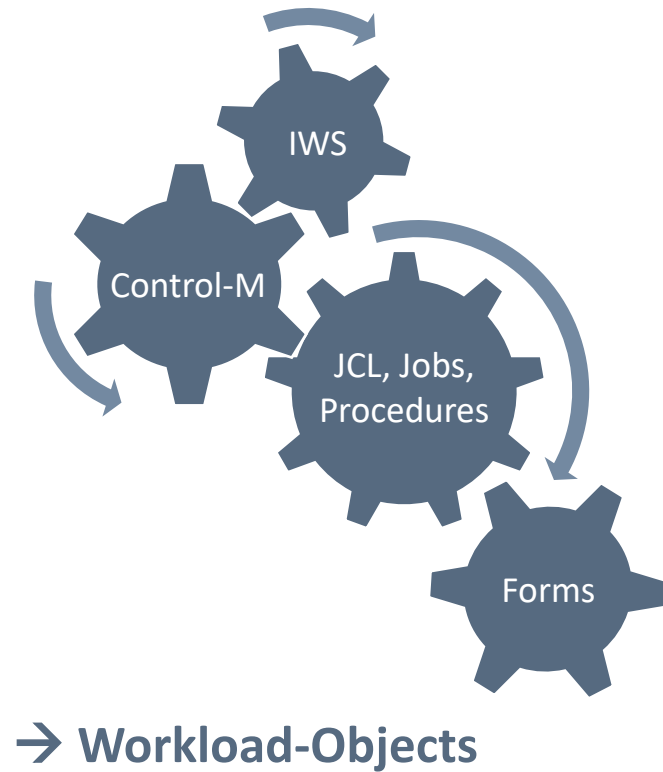
„...not only for mainframe specialists ...“



→ Workload-Objects

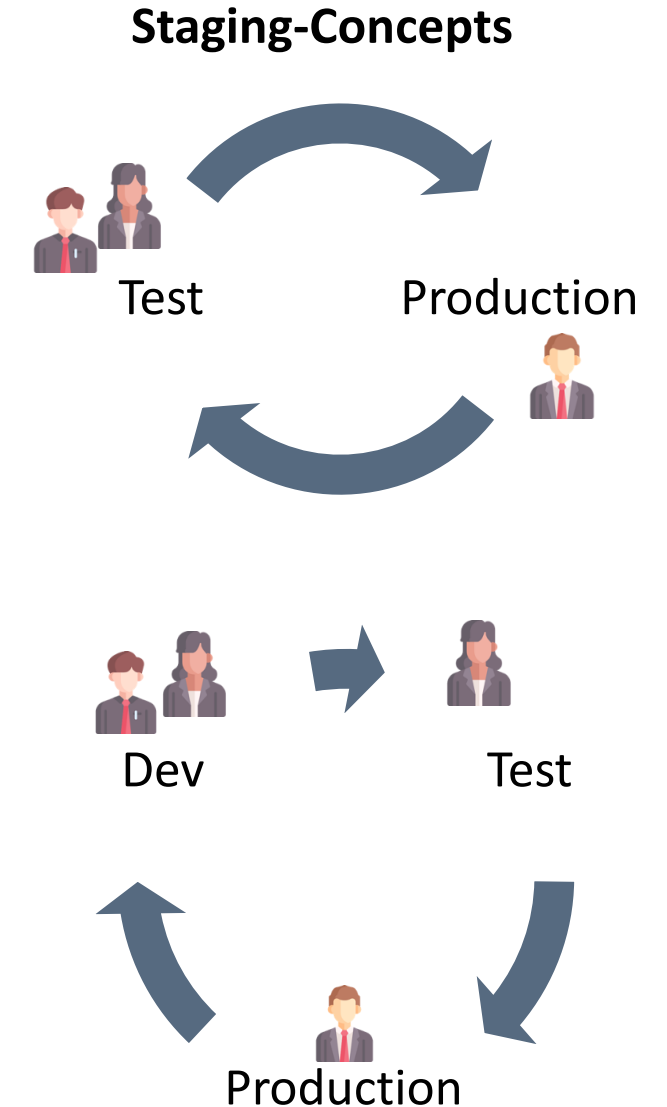


ProcMan Overview



ProcMan- the Change-Management-Tool

- ProcMan controls and automates the change requests as bridge for Dev&Ops
- ProcMan is designed for the editing of workload objects such as:
 - JCL-Jobs, Procedures, etc.
 - IWS z/OS Applications, Operations
 - Control-M Folders / Jobs
 - Customer specific dialogues for any objects
 - *Interface to ticket or change request tools possible (via web services)*



Why do I need ProcMan?

- Changes to Production are often made following “informal” requests via phone calls, emails, or even in person.
- Developers may provide sample JCL, scripts and/or other documents which are easily misplaced or are quickly outdated by further changes.
- Some change ticket systems, to log these requests, only offer freeform text fields.
- Operations planners may perform quick manual changes, with little or no verification.
- Without enforced common rules in place, planners may implement changes using their own methods.
- Teams are not all on the same page and resolving issues takes much longer - especially if someone is absent or working at another location.
- When whole “packages” have to be introduced to Production, it is easy to forget some pieces.
- It’s very easy to forget who really requested changes, or when they were performed or even why.



What is ProcMan doing for me?

- The embedded workflow manager moves your objects through your stages (e.g. Development, Test, Production, as many stages as you need).
- Stage depending changes are made automatically, “on the fly” based on customized "rules".
- ProcMan transports and manages information for any system. There are universal interfaces that helps to automate it (z/OS and distributed).
- ProcMan is customizable: You define the workflow of your handover stages, the forms, the change rules for all objects you want to manage, exactly to your needs.
- You don't need to change your current systems, ProcMan integrates into what you currently have.
- After ProcMan is activated auditors will be happy. Now they can easily find all changes well documented, and secure.

The Solution: ProcMan

A quick overview of the ProcMan components:

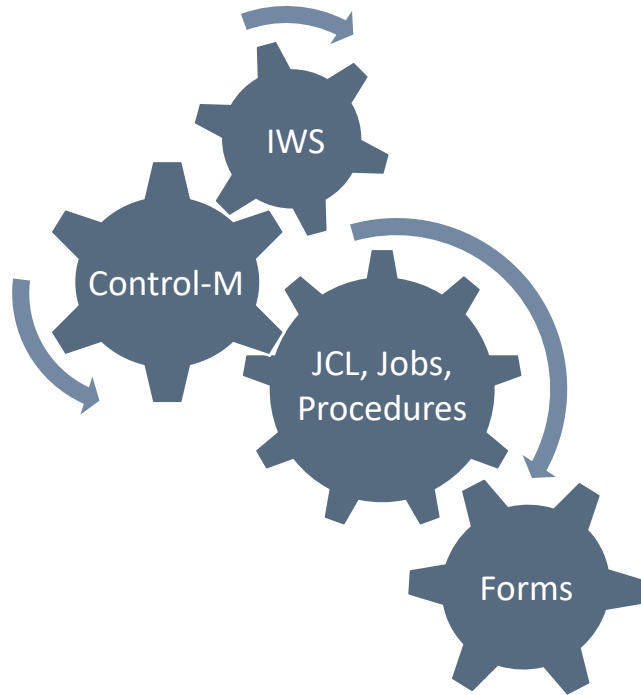
- ProcMan has a hierarchical client along with a user/roles based security concept
- ProcMan is a modular system, you can license only what you need
 - Workflow Manager (is the required base component)
 - JCL module: Works with all JCL parameters and a rules based JCL generator
 - IWSz module: For changes on IWSz applications and ad-hoc CP plan requests
 - Control-M module: For changes on folders and its jobs
 - Individual Forms and “Documentation Objects” for “any” change request
 - to be documented and reviewed
 - Universal module for distributed
 - Universal module for z/OS

The Solution: ProcMan

- Basic technical overview:
 - Web user Interface
(Apache, PHP and ProcMan Server on Windows or Linux)
 - Database: DB2z or PostgreSQL
 - Optional for JCL: ISPF Admin Dialog and SmartJCL on z/OS
 - Optional for IWSz: WebAdmin z/OS
- The next slides show you examples how ProcMan works.

How does it work?

Working in ProcMan with handover processes



→ Workload-Objects

Workflow Manager

Handover processes (for JCL, IWS, Control-M etc.)

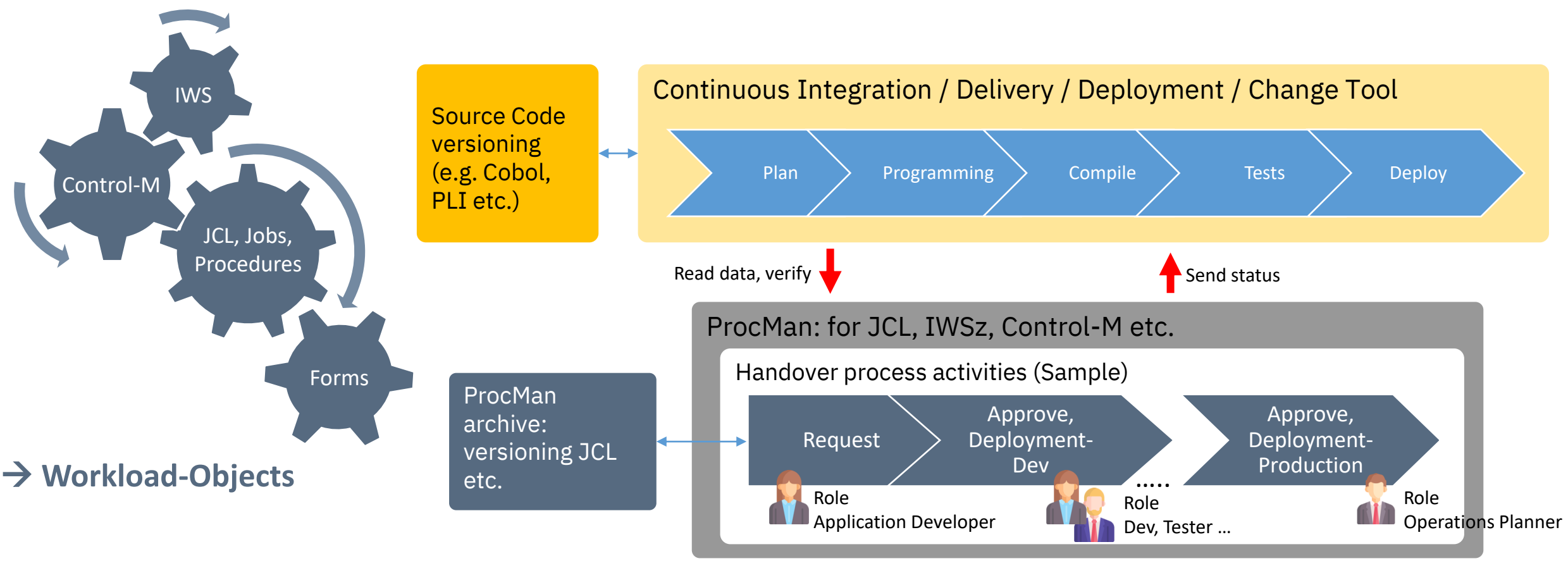
Handover process activities (Sample)



- Roles are assigned with specific rights
- Ensured 4-eyes principle configurable, for each handover process
- Powerful set of rules for checking and generating/adapting the objects

How does it work?

Working in ProcMan with interfaces:



ProcMan Modules

- ProcMan consists of different modules, which are managing particular objects for several dedicated systems:

JCL, Procedures etc.

IWS for z/OS

Control-M

other

Summary

How does it work for JCL?

```
//USER1 JOB ...  
//S1 EXEC PGM=MYPGM1  
//D1 DD DSN=USER.NEW.FILE
```

```
//DEVJ01 JOB ...  
//S1 EXEC PGM=MYPGM1  
//D1 DD DSN=DEV.NEW.FILE
```

Developer reads in
existing “User JCL”.
ProcMan converts it
interactively to
“Dev-JCL”

```
//TSTJ01 JOB ...  
//S1 EXEC PGM=MYPGM1  
//D1 DD DSN=TST.NEW.FILE
```

Test Approver review it and
generates “Test-JCL”
(or maybe reject the request)

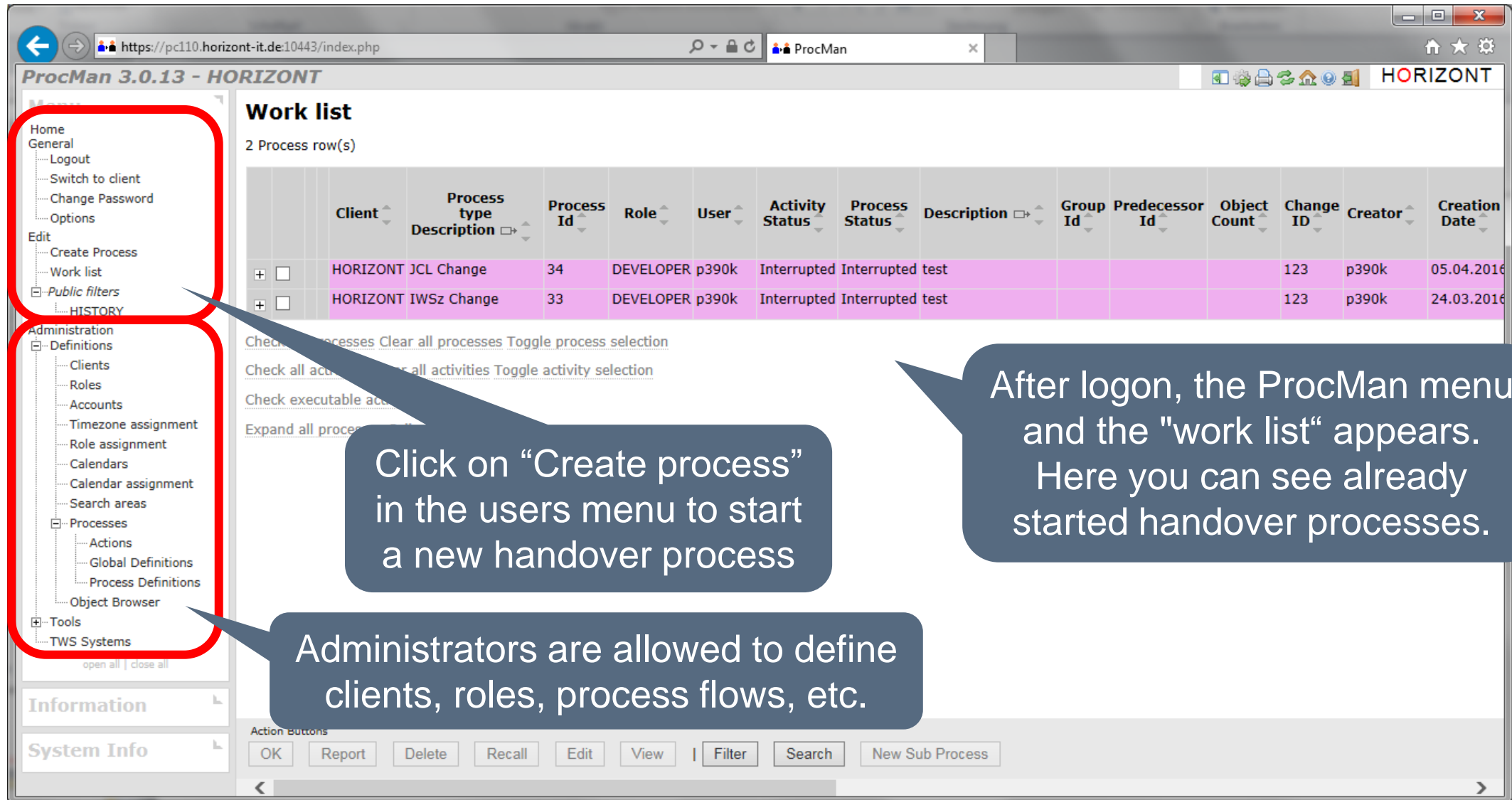
```
//PRDJ01 JOB ...  
//S1 EXEC PGM=MYPGM1  
//D1 DD DSN=PRD.NEW.FILE
```

Production Approver
generates “Prod-JCL”
(or maybe reject)

ProcMan JCL Features

- Customizable dialog to get information about the Jobs, (e.g. Account-Nr, special needs (DB2), new GDG etc.)
- JCL Generator for each stage
 - Some parts are taken from input JCL
 - Some parts from entered user data (e.g. Account)
 - Some parts are set fix from generator rules (e.g. CLASS)
- Generate complete Jobs or Procs and also just partial JCL
 - e.g. include member
 - and even “Non JCL”, e.g. control statements for other systems like Beta EJM
- Additional functions like
 - Define GDG base
 - Create Beta 93 update commands
 - Create any other data for any other interface
- JCL Check included
 - Can also verify site spec. standards (QA Tests)
 - You can create your own checks and messages
 - Different check levels on each stage
 - Substitute TWS variable

ProcMan JCL Example



ProcMan 3.0.13 - HORIZONT

Work list

2 Process row(s)

	Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Creator	Creation Date
<input type="checkbox"/>	HORIZONT	JCL Change	34	DEVELOPER	p390k	Interrupted	Interrupted	test				123	p390k	05.04.2016
<input type="checkbox"/>	HORIZONT	IWSz Change	33	DEVELOPER	p390k	Interrupted	Interrupted	test				123	p390k	24.03.2016

Check all processes Clear all processes Toggle process selection

Check all activities Clear all activities Toggle activity selection

Check executable activities

Expand all processes

Information

System Info

Action Buttons

OK Report Delete Recall Edit View Filter Search New Sub Process

Click on "Create process" in the users menu to start a new handover process

Administrators are allowed to define clients, roles, process flows, etc.

After logon, the ProcMan menu and the "work list" appears. Here you can see already started handover processes.

ProcMan JCL Example

ProcMan 3.0.13 - HORIZONT

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TWS Systems

open all | close all

Information

System Info

JCL New Handover

General process data

Client	HORIZONT
Global Definition	GLOBALDEF
Process type	JCL_NEW
Description	Demo
Memo	Show how JCL handover works

Additional process data

Change ID	12345
Subject field	PHI
Date for approve in Test	16.05.2016
Date for approve in Production	31.05.2016
Requestor Name	Ziegler Helmut

Attached files

Add

Action Buttons

OK

Reset

Cancel

First, the general information like description text, approval date etc. have to be entered

This form, (and all following forms), were designed by the administrator. You decide which fields are there and which data must be entered

ProcMan JCL Example

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TWS Systems

open all | close all

Information

System Info

ProcMan 3.0.13 - HORIZONT

Process id: 36 - JCL New Handover - Select members

Source selection

Source libraryP390A.PM30.PC110.TESTJCL

Member*

Already selected members

	Target system	Target library	Source system	Source library	Member
<input type="checkbox"/>	HORIZONT-SYS	P390A.PM30.PC110.HOR.DEV.JOBLIB	HORIZONT-SYS	P390A.PM30.PC110.TESTJCL	DEMO01
<input type="checkbox"/>	HORIZONT-SYS	P390A.PM30.PC110.HOR.DEV.JOBLIB	HORIZONT-SYS	P390A.PM30.PC110.TESTJCL	DEMO02

Check all Clear all Toggle selection

BrowseRemove

Action Buttons

OKImportInterrupt

Next is, to select your input JCL member from e.g. your private PDS

In case of JCL Change, the selection (of prod JCL) is made from the JCL archive

ProcMan JCL Example, “create Dev-JCL”

ProcMan 3.0.13 - HORIZONT

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open all | close all

Information

System Info

Process id: 36 - JCL New Handover - Modify JOB: P390KD1

Jobname

Subject

Job-Number

Other Job Parameter

Account

Region

Schenv

Additiponal Job Description?

Job-Description

Text

PHI

00011

100001

OM

PRODA

Yes

Just a sample Job

OK

Cancel

Based on your rules, SmartJCL analyzes the JCL and prompts the user to enter/select required data like, e.g., account number etc.

ProcMan JCL Example, "create Dev-JCL"

ProcMan 3.0.13 - HORIZONT

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 - Role assignment
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 - Calendar assignment
 - Search areas
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 - Object Browser
 - Tools
 - TWS Systems

open all | close all

Information

System Info

Process id: 36 - JCL New Handover - Modify DD: OUT1, JOB: P390KD1, EXEC: STEP1

DSN for Production

Original DSN: P390K.NEW.DSN Loaded from JCL

New DSN: New DSN (optional)

Other Parameters for the DSN

Satzlänge (LRECL): 0 - 34000

Satzformat (RECFM): 1 - 255

Entries for (new) GDG: 1 - 255

Space Type:

Primary:

Secondary:

Action Buttons

OK Cancel

Typical for new files is the question about the GDG limit. The new GDG base will be created automatically.

ProcMan JCL Example, “create Dev-JCL”

ProcMan 3.0.13 - HORIZONT

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open all | close all

Information

System Info

Process id: 36 - JCL New Handover - Results of JCL generator

Message

New JCL members have been generated successfully without warning or errors

Generated files

	Original member	Created member	Dataset	System	Type	Status
<input checked="" type="checkbox"/>	DEMO01	PHI00011	P390A.PM30.PC110.HOR.DEV.JOBLIB	HORIZONT-SYS	JCL	OK
<input type="checkbox"/>	DEMO02	PHI00012	P390A.PM30.PC110.HOR.DEV.JOBLIB	HORIZONT-SYS	JCL	OK

Check all Clear all Toggle selection

Show check result Compare

Action Buttons

OK Browse Report Interrupt Go back to the joblist

After all needed information was entered, the JCL Generator runs

ProcMan JCL Example, “create Dev-JCL”

ProcMan 3.0.13 - HORIZONT

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open all | close all

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System Info

Work list

3 Process row(s)

		Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Creator	Creation Date
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	PLANNER	p390k	Ready	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	DEVELOPER	p390k	Complete	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	PLANNER	p390k	Ready	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	TESTER	p390k	Waiting	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	PLANNER	p390k	Waiting	Ready	Demo			2	12345	p390k	05.04.2
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	34	DEVELOPER	p390k	Interrupted	Interrupted	test				123	p390k	05.04.2
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz Change	33	DEVELOPER	p390k	Interrupted	Interrupted	test				123	p390k	24.03.2

[Check all processes](#) [Clear all processes](#) [Toggle process selection](#)

[Check all activities](#) [Clear all activities](#) [Toggle activity selection](#)

[Check executable activities](#)

[Expand all processes](#) [Collapse all processes](#)

Action Buttons

OK

Report

Delete

Recall

Edit

View

Filter

Search

New Sub Process

Now, the first activity, the “change request”, is done. The next task, write the “DEV-JCL” to the target library, became ready as part of the process.

ProcMan JCL Example, “create Dev-JCL”

ProcMan 3.0.13 - HORIZONT

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Process id: 36 - JCL New Handover - Approve

Show process information

The following jobs will be saved to target libraries

	Target system	Target library	Target member	JCL check
<input type="checkbox"/>	HORIZONT-SYS	P390A.PM30.PC110.HOR.DEV.JOBLIB	PHI00011	
<input type="checkbox"/>	HORIZONT-SYS	P390A.PM30.PC110.HOR.DEV.JOBLIB	PHI00012	

Check all Clear all Toggle selection

Browse

Edit

Export to TSO

Import from TSO

Delete

JCL check

Show check result

Compare

Action Buttons

OK

Show update job

Report

Reject

Interrupt

Discard

Press OK to copy the JCL to the “Dev-Joblib”

It is up to the admin, which functions (e.g. Browse/Edit/Delete etc.) are enabled/disabled on the approval activities

ProcMan JCL Example

ProcMan 3.0.13 - HORIZONT

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Work list

3 Process row(s)

		Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Creator	Creation Date
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	TESTER	p390k	Ready	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	DEVELOPER	p390k	Complete	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	PLANNER	p390k	Complete	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	TESTER	p390k	Ready	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	PLANNER	p390k	Waiting	Ready	Demo			2	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	34	DEVELOPER	p390k	Interrupted In		test				123	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz Change	33	DEVELOPER	p390k	Interrupted Inter						123	p390k	24.03.2

Check all processes Clear all processes Toggle process selection

Check all activities Clear all activities Toggle activity selection

Check executable activities

Expand all processes Collapse all processes

Action Buttons

OK Report Delete Recall Edit View Filter Search New Sub Process

After that, there are two remaining activities:
Generate and Copy Test-JCL (ready)
Generate and Copy Prod-JCL (waiting)
They will be done sequentially

ProcMan JCL Example, "create Test-JCL"

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Information

System Info

Process id: 36 - JCL New Handover - Results of JCL generator

Message

New JCL members have been generated successfully without warning or errors

Generated files

	Original member	Created member	Dataset	System	Type	Status
<input checked="" type="checkbox"/>	PHI00011	THI00011	P390A.PM30.PC110.HOR.TEST.JOBLIB	HORIZONT-SYS	JCL	OK
<input type="checkbox"/>	PHI00012	THI00012	P390A.PM30.PC110.HOR.TEST.JOBLIB	HORIZONT-SYS	JCL	OK

Check all Clear all Toggle selection

Show check result Compare

```
//THI00011 JOB 100001,'TEST',
//          CLASS=T,
//          MSGCLASS=B,
//PHI00011 JOB 100001,'DEV',
//          CLASS=D,
//          MSGCLASS=T,
//          REGION=0M,SCHENV=PRODA
//* DEMO JOB1
//STEP1 EXEC PGM=DPGM001,
//          PARM='10/31/2016'
//STEPLIB DD DSN=P390A.TEST.LOAD,
//          DISP=SHR
//INP1 DD DSN=TEST.INPUT.FILE,
//INP1 DD DSN=DEV.INPUT.FILE,
//          DISP=SHR
//OUT1 DD DSN=TEST.NEW.DSN(+1),
//OUT1 DD DSN=DEV.NEW.DSN(+1),
//          DISP=(NEW,CATLG),
//          SPACE=(TRK,(1,1)),
//          DCB=(LRECL=80,RECFM=FB)
//SYSPRINT DD SYSOUT=*
//*
```

Action Buttons

OK Browse Interrupt Discard Go back to the joblist

Test-JCL has been generated. You can compare it e.g. with the Dev-JCL before you copy it to the Test-Joblib (or maybe reject)

ProcMan JCL Example, “create Prod-JCL”

ProcMan 3.0.13 - HORIZONT

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Information

System Info

Process id: 36 - JCL New Handover - Results of JCL generator

Message

New JCL members have been generated successfully without warning or errors

Generated files

	Original member	Created member	Dataset	System	Type	Status
<input checked="" type="checkbox"/>	PHI00011	PHI00011	P390A.PM30.PC110.HOR.PROD.JOBLIB	HORIZONT-SYS	JCL	OK
<input type="checkbox"/>	PHI00012	PHI00012	P390A.PM30.PC110.HOR.PROD.JOBLIB	HORIZONT-SYS	JCL	OK

Check all Clear all Toggle selection

Show check result Compare

//PHI00011 JOB 100001,'PROD',
// CLASS=P,
//THI00011 JOB 100001,'TEST',
// CLASS=T,
// MSGCLASS=B,
// REGION=OM,SCHENV=PRODA
// * DEMO JOB1
//STEP1 EXEC PGM=DPGM001,
// PARM='10/31/2016'
//STEPLIB DD DSN=P390A.TEST.LOAD,
// DISP=SHR
//INP1 DD DSN=PROD.INPUT.FILE,
//INP1 DD DSN=TEST.INPUT.FILE,
// DISP=SHR
//OUT1 DD DSN=PROD.NEW.DSN(+1),
//OUT1 DD DSN=TEST.NEW.DSN(+1),
// DISP=(NEW,CATLG),
// SPACE=(TRK,(1,1)),
// DCB=(LRECL=80,RECFM=FB)
//SYSPRINT DD SYSOUT= *
//*

Action Buttons

OK Browse Interrupt Discard Go back to the joblist

Prod-JCL has been generated. You can compare it e.g. with the Test-JCL before you copy it to the Prod-Joblib (or maybe reject)

ProcMan JCL Example, History

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ProcMan 3.0.13 - HORIZONT

HISTORY (Switch off filter)

12 Process row(s)

		Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Creator	Creation Date
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36				Complete	Demo			2	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	DEVELOPER	p390k	Complete	Complete	Demo			2	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	PLANNER	p390k	Complete	Complete	Demo			2	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36	TESTER	p390k	Complete	Complete	Demo			2	12345	p390k	05.04
<input type="checkbox"/>	<input checked="" type="checkbox"/>	HORIZONT	JCL New Handover	36	PLANNER	p390k	Complete	Complete	Demo			2	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	32				Complete	test			3	123	p390k	23.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	31								7	123	p390k	23.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz Change	29									123	p390k	22.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	27									123	p390k	22.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	26									123	p390k	22.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	25									123	p390k	21.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	24									345	p390k	21.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	23									234	p390k	20.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	16									234	p390k	15.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	15									123	p390k	15.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	14				Complete	test			1	123	p390k	14.03

Action Buttons

OK

Report

Delete

Recall

Edit

View

Filter

Search

New Sub Process

Report will show you all details

When all activities are completed, you can find the handover process in the "History" (there are a lot of search and filter options)

ProcMan JCL Example, Report

ProcMan 3.0.13 - HORIZONT

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Information

System Info

Process id: 36 - JCL New Handover - Report

Information

History

JCL New Request

Requested files

User's parameters

JCL New Dev Approve

JCL New Test Approve

JCL New Prod Approve

Approved files (Generated and saved to PROD)

Log files

Status	Role	User	Date	Description
Complete	PLANNER	p390k	05.04.2016 14:23:33	Status changed
Active	PLANNER	p390k	05.04.2016 14:12:54	Status changed
Ready	PLANNER		05.04.2016 14:12:00	Status changed automatically
Complete	TESTER	p390k	05.04.2016 14:12:00	Status changed
Active	TESTER	p390k	05.04.2016 13:58:39	Status changed
Ready	TESTER		05.04.2016 13:46:59	Status changed automatically
Complete	PLANNER	p390k	05.04.2016 13:46:59	Status changed
Active	PLANNER	p390k	05.04.2016 13:45:42	Status changed
Ready	PLANNER		05.04.2016 12:40:28	Status changed automatically
Complete	DEVELOPER	p390k	05.04.2016 12:40:28	Status changed
Active	DEVELOPER	p390k	05.04.2016 11:29:26	Status changed
Waiting	PLANNER	p390k	05.04.2016 11:29:25	Created
Waiting	TESTER	p390k	05.04.2016 11:29:25	Created
Waiting	PLANNER	p390k	05.04.2016 11:29:25	Created
Ready	DEVELOPER	p390k	05.04.2016 11:29:25	Created

1 //PHI00011 JOB 100001, 'PROD',

2 //

3 //

4 //

5 /* DEMO JOB1

6 //STEP1 EXEC PGM=DPGM001,

7 //

8 //STEPLIB DD DSN=P390A.TEST.LOAD,

9 //

10 //INP1 DD DSN=PROD.INPUT.FILE,

11 //

12 //OUT1 DD DSN=PROD.NEW.DSN(+1),

13 //

14 //

15 //

16 //SYSPRINT DD SYSOUT=*

17 /*

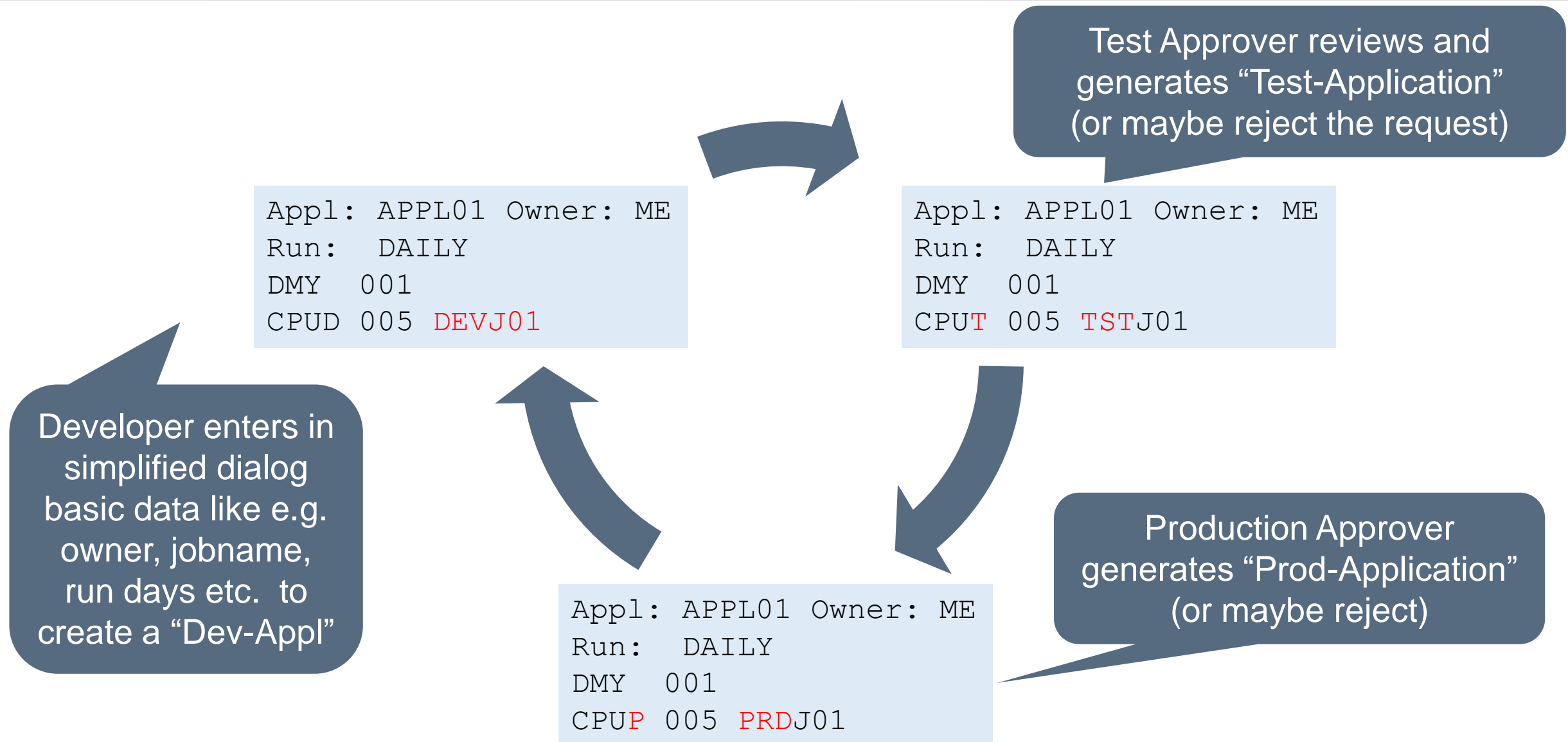
Action Buttons

OK

Save

In the report you can see e.g. who worked, and when, on the handover. All entered user values and all JCL versions, from input to production approval are captured.

How does it work for IWSz?



ProcMan IWSz Features

- Customizable dialog to get information about the applications, Jobs, RunCycles etc.
- Rules to automatically
 - “Generate” application descriptions (e.g. create the application name, set owner etc.)
 - Create the operation list and internal dependencies
 - Verify IWS “syntax”
 - Verify site specific rules (e.g. description must be filled etc.)
- Additional User Data (e.g. to control the Generator)
- Useful functions e.g. to
 - provide simple RunCycle selection list
 - preview calendar of planned run days
 - show dependencies in a graphical flowchart
 - compare applications and versions of applications in detail
- Applications are prepared inside ProcMan, the target IWS system will be updated in time by the approver
- There can be one extra IWS for each stage (or everything in one IWS)
- Extra module for ad-hoc current plan requests (including temporary JCL modifications)

ProcMan IWSz Example

The screenshot displays the ProcMan 3.0.13 - HORIZONT web interface. The browser address bar shows the URL <https://pc110.horizont-it.de:10443/index.php>. The interface features a sidebar menu on the left, a main content area titled 'Work list', and an 'Action Buttons' bar at the bottom.

The sidebar menu is divided into several sections, with two sections highlighted by red rounded rectangles:

- Home / General:** Includes links for Home, General, Logout, Switch to client, Change Password, and Options.
- Edit:** Includes links for Create Process, Work list, Public filters, and HISTORY.
- Administration:** Includes links for Definitions, Clients, Roles, Accounts, Timezone assignment, Role assignment, Calendars, Calendar assignment, Search areas, Processes, Actions, Global Definitions, Process Definitions, Object Browser, Tools, and TWS Systems.

The 'Work list' section displays a table with 2 process rows. The table columns are: Client, Process type, Process Id, Role, User, Activity Status, Process Status, Description, Group Id, Predecessor Id, Object Count, Change ID, Creator, and Creation Date.

	Client	Process type	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Creator	Creation Date
<input type="checkbox"/>	HORIZONT	JCL Change	34	DEVELOPER	p390k	Interrupted	Interrupted	test				123	p390k	05.04.2016
<input type="checkbox"/>	HORIZONT	IWSz Change	33	DEVELOPER	p390k	Interrupted	Interrupted	test				123	p390k	24.03.2016

Below the table, there are links for 'Check all processes', 'Check all activities', and 'Check executable activities'. The 'Action Buttons' bar at the bottom includes buttons for OK, Report, Delete, Recall, Edit, View, Filter, Search, and New Sub Process.

Three callout boxes provide additional information:

- Click on "Create process" in the users menu to start a new handover process** (points to the 'Create Process' link in the sidebar).
- Administrators are allowed to define clients, roles, process flows, etc.** (points to the 'Administration' section in the sidebar).
- After logon, the ProcMan menu and the "work list" appears. Here you can see already started handover processes.** (points to the 'Work list' table).

ProcMan IWSz Example

ProcMan 3.0.13 - HORIZONT

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Information

System Info

IWSz New Handover

General process data

Client	HORIZONT
Global Definition	GLOBALDEF
Process type	IWS_NEW
Description	Demo
Memo	Show how IWSz handover works

Additional process data

Change ID	12345
Subject field	PHI
Date for approve in Test	16.05.2016
Date for approve in Production	31.05.2016
Requestor Name	Ziegler Helmut

Attached files

Add

Action Buttons

OK

Reset

Cancel

First, the general information like description text, approval date etc. have to be entered

This form (and all following forms) were designed by the administrator. You decide which fields are there and which data must be entered

ProcMan IWSz Example, "create Dev-Appl"

ProcMan 3.0.13 - HORIZONT

Process id: 37 - IWSz New Handover - Insert application into AD

Source TWS System	PTDC
DB State	INSERTED
Application id	PHI00011A
Text	Demo Application
Type	A
Owner id	HOPC110
Valid from	05.04.2016
Authority group id	HORIZONT
Calendar Id	DEFAULT
Group Definition	

Note

Hide Note

Action Buttons

OK Operations Run Cycles Add Predefined Run Cycle Show Run Days Netplan Reset Cancel Additional Data

Menu

- Home
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 - TWS Systems

open all | close all

Information

System Info

You can copy and rename an existing application or use the "Create AD" function, which generates a useful draft version. You have to complete some fields like Application id. Others can be read only or hidden.

In case of IWS Change, the selection of the application is made from the archive

ProcMan IWSz Example, "create Dev-Appl"

ProcMan 3.0.13 - HORIZONT

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Information

System Info

Process id: 37 - IWSz New Handover - Insert application into AD

Source TWS System	PTDC
DB State	INSERTED
Application id	PHI00011A
Text	Demo Application
Type	A
Owner id	HOPC110
Valid from	05.04.2016
Authority group id	HORIZONT
Calendar Id	DEFAULT
Group Definition	

Note

Modify Operations or Run Cycles

"Predefined Run Cycles" simplifies the Run Cycle definition and "Show Run Days" shows a preview of the scheduling

Action Buttons

OK Operations Run Cycles Add Predefined Run Cycle Show Run Days Netplan Reset Cancel Additional Data

ProcMan IWSz Example, "create Dev-Appl"

ProcMan 3.0.13 - HORIZONT

Menu

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open all | close all

Information

System Info

Process id: 37 - IWSz New Handover - Insert Operations

Hide Info

DB State	INSERTED
TWS System	PTDC
Application id	PHI00011A
Valid from - to	05.04.2016 - 31.12.2071
Description	Demo Application
Owner	HOPC110
Type	A
Status	A
Authority group id	HORIZONT

	Ws id	Op no	Duration	Text	Job name	Int Predecessors	Time Dep.	Operation IAD	Operation IAT	IPred
(1) <input type="radio"/>	DUMY	001	00:00:01	Start	START		N			0
(2) <input type="radio"/>	CPUP	005	00:02:00		PHI00011	001	N			1
(3) <input type="radio"/>	CPUP	010	00:02:00		PHI00012 x	005	N			1
(4) <input type="radio"/>	OFF#	255	00:00:01	End	END	010	N			1

+

The operation list can be generated automatically. You only have to enter/change the job names and, optionally, other attributes.

Action Buttons

OK Operation Detail Dependencies Special Resources Repeat Netplan Delete Cancel Additional Data

ProcMan IWSz Example, “create Dev-Appl”

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System Info

ProcMan 3.0.13 - HORIZONT

Process id: 37 - IWSz New Handover - Predefined Run Cycle

Add predefined Run Cycle to Application

Hide Info

DB State	INSERTED
TWS System	PTDC
Application id	PHI00011A
Valid from - to	05.04.2016 - 31.12.2071
Description	Demo Application
Owner	HOPC110
Type	A
Status	A
Authority group id	HORIZONT

Show Filter

	TWS System	Name	Description	Public to	User	Last Change Date
<input type="checkbox"/>	PTDC	DAILY	Every day	HORIZONT, GLOBAL	p390k	24.03.2016 12:26
<input checked="" type="checkbox"/>	PTDC	LASTWORKDAY	Last Workday (Ultimo)	HORIZONT, GLOBAL	p390k	24.03.2016 12:32
<input type="checkbox"/>	PTDC	WORKDAY	Every workday	HORIZONT, GLOBAL	p390k	24.03.2016 12:28

Check all | Clear all | Toggle selection

[3 row(s) have been found.]

Action Buttons

Add to Application | Modify | Delete | Insert | Copy | Cancel

The “pre-defined run cycles”
(prepared by the administrator)
simplifies the schedulingUsers don't need necessarily know
anything about input arrivals,
periods, free day rules, etc.

ProcMan IWSz Example, "create Dev-Appl"

ProcMan 3.0.13 - HORIZONT

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TWS Systems

open all | close all

Information

System Info

Process id: 37 - View: - Runcycles - Generate Run Days

DB State	INSERTED
TWS System	PTDC
Application id	PHI00011A
Valid from - to	05.04.2016 - 31.12.2071
Description	Demo Application
Owner	HOPC110
Type	A
Status	A
Authority group id	HORIZONT
Calendar	DEFAULT

Run Days

2016

	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu					
January					01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
February	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29						
March		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
April				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
May					01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
July			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
August	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
September		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
October					01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
November	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
December		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			

< prev

next >

Action Buttons

OK

Refresh

"Show Run Days" generates a verification preview calendar

ProcMan IWSz Example, "create Dev-Appl"

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System Info

ProcMan 3.0.13 - HORIZONT

Work list

3 Process row(s)

	Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Creator	Creat Date
<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	PLANNER	p390k	Ready	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	DEVELOPER	p390k	Complete	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	PLANNER	p390k	Ready	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	TESTER	p390k	Waiting	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	PLANNER	p390k	Waiting	Ready	Demo			1	12345	p390k	05.04.2
<input checked="" type="checkbox"/>	HORIZONT	JCL Change	34	DEVELOPER	p390k	Interrupted	Interrupted	test				123	p390k	05.04.2
<input checked="" type="checkbox"/>	HORIZONT	IWSz Change	33	DEVELOPER	p390k	Interrupted	Interrupted	test				123	p390k	24.03.2

Check all processes

Clear all processes

Toggle process selection

Check all activities

Clear all activities

Toggle activity selection

Check executable activities

Expand all processes

Collapse all processes

Action Buttons

OK

Report

Delete

Recall

Edit

View

Filter

Search

New Sub Pro

After you entered all data, you can complete the first activity. The next "task" in sequence automatically becomes ready. (write the application(s) to the "DEV-IWS").

ProcMan IWSz Example, "create Dev-Appl"

ProcMan 3.0.13 - HORIZONT

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Process id: 37 - IWSz New Handover - AD - List of Applications

Notice

2nd activity TWS new

AV modify the applications and write it to Dev-TWS

Source TWS System - ProcMan Dev TWS

TWS System	Application id	Description	Valid from	Valid to	Type	Status	Owner	State	Last change date	User	Version	Process id
<input checked="" type="checkbox"/> PTDC	PHI00011A	Demo Application	05.04.2016	31.12.2071	A	A	HOPC110	INSERTED	05.04.2016 15:25	P390K	1	37

[1 row(s) have been found.]

Check all | Clear all | Toggle selection

Target TWS System - ProcMan Dev TWS

TWS System	Application id	Description	Valid from	Valid to	Type	Status	Owner	State	Last change date	User	Version	Process id
------------	----------------	-------------	------------	----------	------	--------	-------	-------	------------------	------	---------	------------

System Info

Action Buttons

Modify **TWS Update** Netplan Report Compare Interrupt Reject Discard Done

Press "TWS Update" to write the application into the target system

It is up to the admin, which functions (e.g. Browse/Modify/Delete etc.) you enable/disable during the approval activities

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ProcMan 3.0.13 - HORIZONT

Work list

3 Process row(s)

		Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Creator	Creat Date
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	TESTER	p390k	Ready	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	DEVELOPER	p390k	Complete	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	PLANNER	p390k	Complete	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	TESTER	p390k	Ready	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	PLANNER	p390k	Waiting	Ready	Demo			1	12345	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	34	DEVELOPER	p390k	Interrupted	Ready	test				123	p390k	05.04.2
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz Change	33	DEVELOPER	p390k	Interrupted	Inter					123	p390k	24.03.2

Check all processes

Clear all processes

Toggle process selection

Check all activities

Clear all activities

Toggle activity selection

Check executable activities

Expand all processes

Collapse all processes

Action Buttons

OK

Report

Delete

Recall

Edit

View

Filter

Search

New Sub Process

After that, there are two remaining activities:
Copy and write to Test-IWS (ready)
Copy and write to Prod-IWS (waiting)
They will be done sequentially

ProcMan IWSz Example, "create Test-Appl"

The application(s) must be copied to a new target system. Note: Change rules are running automatically.

ProcMan 3.0.13 - HORIZONT

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System Info

Process id: 37 - IWSz New Handover - AD - List of Applications

Notice

3rd activity TWS New

Copy from Dev-TWS and write it to Test-TWS.

Source TWS System - ProcMan Dev TWS

TWS System	Application id	Description	Valid from	Valid to	Type	Status	Owner	State	Last change date	User	Version	Process id	Co
<input type="checkbox"/> PTDC	PHI00011A	Demo Application	05.04.2016	31.12.2071	A	A	HOPC110	ACTUAL	05.04.2016 15:46	PM30	1	37	PTDC.AC

Check all | Clear all | Toggle selection

Target TWS System - ProcMan Test TWS

TWS System	Application id	Description	Valid from	Valid to	Type	Status	Owner	State	Last change date	User	Version	Process id	Co
<input type="checkbox"/> PTTC	PHI00011A	Demo Application	05.04.2016	31.12.2071	A	A	HOPC110	INSERTED	05.04.2016 16:02	P390K	1	37	

Check all | Clear all | Toggle selection

Action Buttons

Copy Source->Target

Modify

TWS Update

Netplan

Report

Compare

Interrupt

Reject

Done

Before you update the Test-IWS, you may want to compare the application

ProcMan IWSz Example, "create Test-Appl"

ProcMan 3.0.13 - HORIZONT

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Comparison results

Hide Results

Number of differences in Application: 5

Number of differences in Run Cycles: 0

Number of differences in Operations: 2

PHI00011A (version 1)

Number of Run Cycles: 1

Number of Operations: 4

PHI00011A (version 1)

Number of Run Cycles: 1

Number of Operations: 4

Application

	PHI00011A (version 1)	PHI00011A (version 1)
TWS System	PTDC	PTTC
Record Status	ACTUAL	INSERTED
adldate	05.04.2016	
adltime	15:46	
Userid of Last Updater	PM30	

e.g. Jobnames have been changed automatically

Operations

Operation 005

005	PHI00011A (version 1)	PHI00011A (version 1)
Job name	PHI00011	THI00011

Operation 010

010	PHI00011A (version 1)	PHI00011A (version 1)
Job name	PHI00012	THI00012

Action Buttons

Show Identical

Cancel

Save to File

ProcMan IWSz Example, "create Test-Appl"

Netplan

ACTUAL

PHI00011A

05.04.201631.12.2071

AA

PHI00011A

STARTDUMY001

PHI00011A

THI00011CPUP005

PHI00011A

THI00012CPUP010

PHI00011A

ENDOFF#255

In addition, you can verify the dependencies graphically

ProcMan IWSz Example, "create Prod-Appl"

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TWS Systems

open all | close all

Information

System Info

Process id: 37 - IWSz New Handover - AD - List of Applications

Notice

5th activity TWS New, Copy from Dev-TWS and write it to Prod-TWS.

Source TWS System - ProcMan Dev TWS

TWS System	Application id	Description	Valid from	Valid to	Type	Status	Owner	State	Last change date	User	Version	Process id	Co
<input type="checkbox"/> PTDC	PHI00011A	Demo Application	05.04.2016	31.12.2071	A	A	HOPC110	ACTUAL	05.04.2016 15:46	PM30	1	37	PTDC.AC

Check all | Clear all | Toggle selection

[1 row(s) have been found.]

Target TWS System - ProcMan Prod TWS

TWS System	Application id	Description	Valid from	Valid to	Type	Status	Owner	State	Last change date	User	Version	Process id	Co
<input type="checkbox"/> PTPC	PHI00011A	Demo Application	05.04.2016	31.12.2071	A	A	HOPC110	INSERTED	05.04.2016 16:23	P390K	1	37	

Check all | Clear all | Toggle selection

[1 row(s) have been found.]

Finally you do the same for the production IWS (Copy and Update)

Action Buttons

Copy Source->Target

TWS Update

Netplan

Report

Compare

Interrupt

Reject

Done

ProcMan IWSz Example, History

Report will show you all details

When all activities are completed, you can find the handover process in the "History" (there are a lot of search and filter options)

ProcMan 3.0.13 - HORIZONT

Menu

Home

General

Logout

Switch to client

Change Password

Options

Edit

Create Process

Work list

Public filters

HISTORY

Administration

Definitions

Clients

Roles

Accounts

Timezone assignment

Role assignment

Calendars

Calendar assignment

Search areas

Information

System Info

HISTORY (Switch off filter)

13 Process row(s)

		Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Creator	Creation Date
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37				Complete	Demo			3	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	DEVELOPER	p390k	Complete	Complete	Demo			3	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	PLANNER	p390k	Complete	Complete	Demo			3	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	37	TESTER	p390k	Complete	Complete	Demo			3	12345	p390k	05.04
<input type="checkbox"/>	<input checked="" type="checkbox"/>	HORIZONT	IWSz New Handover	37	PLANNER	p390k	Complete	Complete	Demo			3	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	36				Complete	Demo			2	12345	p390k	05.04
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	32								3	123	p390k	23.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	31								123		p390k	23.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz Change	29								123		p390k	22.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	27								123		p390k	22.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	26								123		p390k	22.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	IWSz New Handover	25								123		p390k	21.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	24								345		p390k	21.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL Change	23								234		p390k	20.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	16								234		p390k	15.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	15				Complete	test			1	123	p390k	15.03
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	JCL New Handover	14								1	123	p390k	14.03

Action Buttons

OK

Report

Delete

Recall

Edit

View

Filter

Search

New Sub Process

ProcMan IWSz Example, Report

ProcMan 3.0.13 - HORIZONT

Menu

Home

General

Logout

Switch to client

Change Password

Options

Edit

Create Process

Work list

Public filters

HISTORY

Administration

Definitions

Clients

Process id: 37 - IWSz New Handover - Report

Information

History

Applications

all

IWSz New Request

IWSz New Dev Approve

IWSz New Test Approve

IWSz New Prod Approve

AD - Application Details

Run Cycles

Operations

Application id	PHI00011A
TWS System	PTPC
Record Status	ACTUAL
Description	Demo Application
Owner	HOPC110
Valid from - to	05.04.2016 - 31.12.2071
Priority	5
Auth. group	HORIZONT
Status	A
Type	A
Calendar Name	DEFAULT
Group Definition	
Deadline Smoothing Factor	
Deadline Feedback Limit	
Userid of Last Updater	P390K
Last change date	05.04.2016 16:26

Status	Role	User	Date	Description
Complete	PLANNER	p390k	05.04.2016 16:27:40	Status changed
Active	PLANNER	p390k	05.04.2016 16:23:03	Status changed
Ready	PLANNER		05.04.2016 16:22:56	Status changed automatically
Complete	TESTER	p390k	05.04.2016 16:22:56	Status changed
Active	TESTER	p390k	05.04.2016 15:48:31	Status changed
Ready	TESTER		05.04.2016 15:47:23	Status changed automatically
Complete	PLANNER	p390k	05.04.2016 15:47:23	Status changed
Active	PLANNER	p390k	05.04.2016 15:40:39	Status changed
Interrupted	PLANNER	p390k	05.04.2016 15:40:12	Status changed
Active	PLANNER	p390k	05.04.2016 15:34:05	Status changed
Ready	PLANNER		05.04.2016 15:30:01	Status changed automatically
Complete	DEVELOPER	p390k	05.04.2016 15:30:01	Status changed
Active	DEVELOPER	p390k	05.04.2016 14:58:20	Status changed
Waiting	PLANNER	p390k	05.04.2016 14:58:19	Created
Waiting	TESTER	p390k	05.04.2016 14:58:19	Created
Waiting	PLANNER	p390k	05.04.2016 14:58:19	Created
Ready	DEVELOPER	p390k	05.04.2016 14:58:19	Created

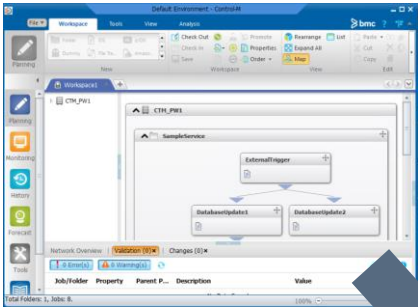
Action Buttons

OK

Save

In the report you can see e.g. who worked on the handover, all entered user values and all versions of all applications of all stages etc. are shown.

How does it work for Control-M?



For test system

```
<FOLDER DATACENTER="dev" FOLDER_NAME="DEVF1">  
  <JOBNAME="DEVJ01"  
    <OUTCOND NAME="DEVJ01-TO-DEVJ02" ... >
```

```
<FOLDER DATACENTER="tst" FOLDER_NAME="TSTF1">  
  <JOBNAME="TSTJ01"  
    <OUTCOND NAME="TSTJ01-TO-TSTJ02" ... >
```

Developers source
version

Rule Example:
<CHANGE SEGMENT="JOB" SCOPE="ALL" >
 <COND>JOBNAME(1,3) = "DEV" </COND>
 <ACTION PARM="JOBNAME(1,3)" NEWVALUE="TST" />
</CHANGE>

```
<FOLDER DATACENTER="prd" FOLDER_NAME="PRDF1">  
  <JOBNAME="PRDJ01"  
    <OUTCOND NAME="PRDJ01-TO-PRDJ02" ... >
```

For production

ProcMan for Control-M features

- Check rules to automatically check naming conventions and standards
 - Distinction between 'warning' and 'errors'
 - Verify Control-M "syntax"
 - Verify site specific rules (e.g. description must be filled etc.)
- Change rules to automatically convert definitions based on rule set
 - Change Folder/Jobname/Member, Application/SubApplication
 - Out and In conditions
 - Folder DSN (library)
 - Memlib for MVS
 - Individual change rules
- Useful functions e.g. to
 - view folder/jobs in XML overview
 - compare versions of folder/jobs in detail
 - import/export job definitions in ProcMan

ProcMan Control-M Example

The screenshot displays the ProcMan 5.0.3 web interface. The browser address bar shows the URL `https://pc110.horizont-it.de:12443/index.php`. The interface includes a top navigation bar with the 'ProcMan' logo and a 'HORIZONT' logo. Below the navigation bar, there are 'Action Buttons' (OK, Report, Delete, Recall, Edit, View, Filter, Search, New Sub Process) and a 'Work list' section. The 'Work list' section indicates '2 Process row(s)' and displays a table of processes.

Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID	Cre
HORIZONT	Control-M Delete def...	65	DEVELOPER	nico-admin	Interrupted	Interrupted	Test PMN 5.0.3 Relea...				5.0.3	nico
HORIZONT	Control-M Dev-Test-P...	8	DEVELOPER	nico-admin	Interrupted	Interrupted	Test Helmut				123	heln

The left sidebar contains a navigation menu with the following items:

- Home
- General
 - Logout
 - Switch to client
 - Change Password
 - Options
- Edit
 - Create Process
 - Work list
 - Public filters
- Administration
 - Definitions
 - Clients
 - Roles
 - Accounts
 - Timezone assignment
 - Role assignment
 - Calendars
 - Calendar assignment
 - Search areas
 - Processes
 - Actions
 - Global Definitions
 - Process Definitions
 - Object Browser
- Tools

Three callout boxes provide additional information:

- Click on "Create process" in the users menu to start a new handover process
- Administrators are allowed to define clients, roles, process flows, etc.
- After logon, the ProcMan menu and the "work list" appears. Here you can see already started handover processes.

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Menu

Home

General

Logout

Switch to client

Change Password

Options

Edit

Create Process

Work list

Public filters

View

Object Browser

Administration

Definitions

Clients

Roles

Accounts

Timezone assignment

Role assignment

Calendars

Calendar assignment

Search areas

Processes

Actions

Global Definitions

Process Definitions

Object Browser

Tools

open all | close all

Information

System Info

Action Buttons

OKCancel

Process type

ClientHORIZONT

Process selection

	Name	Description
	*	Control-m*
<input type="radio"/>	CTM_COPY	Control-M Copy from Source to Target
<input type="radio"/>	CTM_DELETE	Control-M Delete definitions
<input type="radio"/>	CTM_DEV_PROD	Control-M Emergency Dev-Prod
<input type="radio"/>	CTM_DEV_TEST_PROD	Control-M Dev-Test-Prod
<input type="radio"/>	CTM_INIT_PROD	Control-M Init-Prod

First, select the process type
you want to start

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Menu

Home

General

Logout

Switch to client

Change Password

Options

Edit

Create Process

Work list

Public filters

View

Object Browser

Administration

Definitions

Clients

Roles

Accounts

Timezone assignment

Role assignment

Calendars

Calendar assignment

Search areas

Processes

Actions

Global Definitions

Process Definitions

Object Browser

Tools

open all | close all

Information

System Info

Action Buttons

OK

Reset

Cancel

Control-M Dev-Test-Prod

General process data

Client	HORIZONT
Global Definition	GLOBALDEF
Process type	CTM_DEV_TEST_PROD

Description

Demo

Memo

Show how Control-M handover works

Additional process data

Change ID	12345
Subject field	NI
Date for approve in Test	2022/02/18
Date for approve in Production	2022/02/25

Attached files

Next, the general information like description text, approval date etc. have to be entered

This form (and all following forms) were designed by the administrator. You decide which fields are necessary and which data must be entered

ProcMan Control-M Example

The screenshot shows the ProcMan 5.0.3 web interface. The browser address bar displays `https://pc110.horizont-it.de:12443/index.php`. The interface includes a sidebar with 'Information' and 'System Info' sections. The main content area shows details for 'Process Id: 71 - Control-M Dev-Test-Prod - Role: DEVELOPER'. A toolbar at the top contains buttons for 'OK', 'CTM Import' (highlighted with a red box), 'Copy', 'Restore', 'Interrupt', and 'Discard'. Below the toolbar, there are expandable sections for 'General process data', 'Additional process data', and 'Memo History'. An information message box states: 'There are no documentation objects assigned to this process.'

First activity in this process is started. You can now import your required folder/jobs with a click on button 'CTM Import'.

Hint: You can change the labeling

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Information

System Info

OKCTM ImportCopyRestoreInterruptDiscard

Process Id: 71 - Control-M

General process data

Additional process data

InformationHide text

There are no documentation objects

OKCancel

Import from Control-M

	Server	Folder
<input checked="" type="checkbox"/>	CTM_DU1	DNIPGS2000
<input type="checkbox"/>	CTM_DU1	DNIPGSFTP1
<input type="checkbox"/>	CTM_DU1	DNIPGSSAP1
<input type="checkbox"/>	CTM_DU1	ZNIPGS2000
<input type="checkbox"/>	CTM_DZ1	DNIPGS20
<input type="checkbox"/>	CTM_DZ1	ZNIPGS20
<input type="checkbox"/>	CTM_TU1	TNIPGS2000
<input type="checkbox"/>	CTM_TU1	TNIPGSFTP1
<input type="checkbox"/>	CTM_TU1	TNIPGSSAP1

Select your required folders

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Information

System Info

OKViewEditCloneRemoveCTM ImportCopyRestoreInterruptDiscard

Process Id: 71 - Control-M Dev-Test-Prod - Role: DEVELOPER

General process data

Additional process data

Check if Folders already exist in ProcMan

System	ID	Existing
TEST	CTM_TU1/TNIPGS2000	Yes
PROD	CTM_PW1/PNIPGS2000	Yes

System	ID	Type	Check
<input type="checkbox"/> DEV	CTM_DU1/DNIPGS2000	New	Missing

Check all Clear all Toggle selection

Memo History

Build in check to verify if folder already exists in other environments

Edit/Review and running check rules are a must in this case (see two slides later)

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Information

System Info

Action Buttons

OK Save without check Cancel

Process Id: 71 - Control-M Dev-Test-Prod - Role: DEVELOPER - New Object

System	DEV
Control-M Server	CTM_DU1
Folder Name	DNIPGS2000
Definition (XML)	<div>Import from Control-M Import from a file Export to a file</div> <pre><?xml version='1.0' encoding='UTF-8' ?> <DEFTABLE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="Folder.xsd"> <SMART_FOLDER ADJUST_COND="N" APPLICATION="DNIPGS" APPL_TYPE="OS" APR="1" AUG="1" AUTOARCH="1" CHANGE_DATE="20220203" CHANGE_TIME="080003" CHANGE_USERID="emuser" CONFIRM="0" CREATED_BY="jens" CREATION_DATE="20210818" CREATION_TIME="094314" CREATION_USER="emuser" CRITICAL="0" CYCLIC="0" CYCLIC_TOLERANCE="0" CYCLIC_TYPE="C" DATACENTER="CTM_DU1" DAYS="ALL" DAYSKEEPINNOTOK="0" DAYS_AND_OR="0" DEC="1" DESCRIPTION="Smart Jobs!" ENFORCE_VALIDATION="N" FEB="1"</pre>

Index

SMART_FOLDER DNIPGS2000 [4]

JOB DNIPGSJ2001 [82]

JOB DNIPGSJ2002 [143]

JOB DNIPGSJ2003 [206]

JOB DNIPGSR3_200 [270]

You can reimport, import from or export to a XML file

By clicking on the index, you can jump directly to the element

Folder and jobs are shown in XML data structure

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index

ProcMan 5.0.3

Information

System Info

Action Buttons

OK Save without check Cancel

Warning Hide text

Rule-008: Out Condition should start with Folder/Jobname/Memname, in the attribute "NAME" of the element "OUTCOND" on the line 260!

Error Hide text

Rule-001: The Folder Name must start with the first character of the current stage , in the attribute "FOLDER_NAME" of the element "SMART_FOLDER" on the line 4!
Rule-004J: The Job Subject (digit 2-3) must be identical to the Folder Subject, in the attribute "JOBNAME" of the element "JOB" on the line 140!
Rule-006: Missing the mandatory attribute "DESCRIPTION" in the element "JOB" on the line 267!

Process Id: 8 - Control-M Dev-Test-Prod - OPER - New Object

System	DEV
Control-M Server	CTM
Folder Name	ZNI
Definition (XML)	Imp

Index

- SMART_FOLDER **ZNIPGS2000** [4]
- JOB **DNIPGS2001** [82]
- JOB **DXYPGSJ2003** [140]
- JOB **TNIPGSJ2002** [204]
- JOB **DNIPGS** [267]

```
<?xml version="1.0" encoding="UTF-8" ?>
<!-- xsi:noNamespaceSchemaLocation="Folder.xsd" -->
<SMART_FOLDER ADJUST_COND="N"
APPLICATION="ZNIPGS"
APPL_TYPE="OS"
APR="1"
AUG="1"
AUTOARCH="1"
CHANGE_DATE="20211214"
CHANGE_TIME="114832"
CHANGE_USERID="nico"
CONFIRM="0"
CREATED_BY="nico"
```

By clicking on 'OK' ProcMan executes check rules based on your naming conventions and standards. Check is separated into 'Warning' and 'Error'.

With warnings user can continue the activity but with an error user must edit the wrong definitions to continue.

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Information

System Info

OK Save without check Cancel

Process Id: 8 - Control-M Dev-Test-Prod - Role: DEVELOPER - New Object

System	DEV
Control-M Server	CTM_DU1
Folder Name	DNIPGS2000
Definition (XML)	<div>Import from Control-M Import from a file Export to a file</div> <div><div><div>Index</div><div>SMART_FOLDER DNIPGS2000 [4]</div><div>JOB DNIPGS2001 [82]</div><div>JOB DNIPGSJ2002 [149]</div><div>JOB DNIPGSJ2003 [212]</div><div>JOB DNIPGSR3_200 [276]</div></div></div> <div><pre>1 <?xml version='1.0' encoding='UTF-8' ?> 2 <DEFTABLE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" 3 xsi:noNamespaceSchemaLocation="Folder.xsd"> 4 <SMART_FOLDER ADJUST_COND="N" 5 APPLICATION="DNIPGS" 6 APPL_TYPE="OS" 7 APR="1" 8 AUG="1" 9 AUTOARCH="1" 10 CHANGE_DATE="20220203" 11 CHANGE_TIME="080003" 12 CHANGE_USERID="emuser" 13 CONFIRM="0" 14 CREATED_BY="jens" 15 CREATION_DATE="20210818" 16 CREATION_TIME="094314" 17 CREATION_USER="emuser" 18 CRITICAL="0" 19 CYCLIC="0" 20 CYCLIC_TOLERANCE="0" 21 CYCLIC_TYPE="C" 22 DATACENTER="CTM_DU1" 23 DAYS="ALL" 24 DAYSKEEPINNOTOK="0" 25 DAYS_AND_OR="O" 26 DEC="1" 27 DESCRIPTION="Smart Job!"</pre></div>

Now you can continue because the folder and the jobs fulfill the rule set.

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Information

System Info

Action Buttons

OK View Edit Clone Remove CTM Import Copy Restore Interrupt Discard

Process Id: 71 - Control-M Dev-Test-Prod - Role: DEVELOPER

General process data

Additional process data

Check if Folders already exist in ProcMan

System	ID	Existing
TEST	CTM_TU1/TNIPGS2000	Yes
PROD	CTM_PW1/PNIPGS2000	Yes

System	ID	Type	Check
<input type="checkbox"/> DEV	CTM_DU1/DNIPGS2000	New	Done

Check all Clear all Toggle selection

Memo History

Check is done and first activity can be completed

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Information

System Info

Process Id: 71 - Control-M Dev-Test-Prod - Role: DEVELOPER

Update of folder definitions in Control-M

System	Server	Folder	Type	Status
DEV	CTM_DU1	DNIPGS2000	new	...

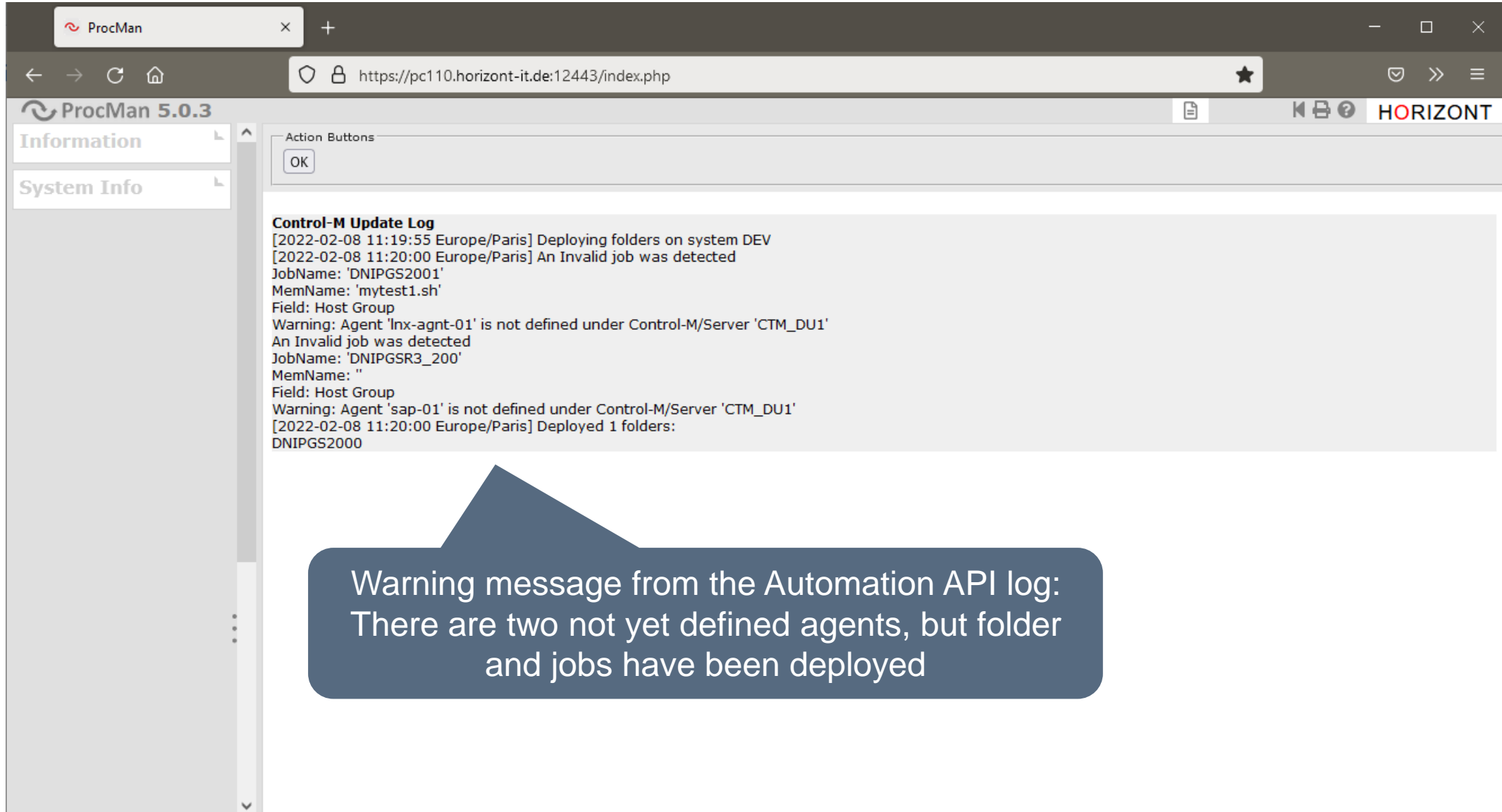
Progress: 0/1

Close!

Automation API is called in the background

pc110.horizont-it.de

ProcMan Control-M Example



The screenshot shows a web browser window with the address `https://pc110.horizont-it.de:12443/index.php`. The page title is "ProcMan 5.0.3". On the left, there is a sidebar with "Information" and "System Info" tabs. The main content area has an "Action Buttons" section with an "OK" button. Below this is the "Control-M Update Log" section, which contains the following text:

```
[2022-02-08 11:19:55 Europe/Paris] Deploying folders on system DEV
[2022-02-08 11:20:00 Europe/Paris] An Invalid job was detected
JobName: 'DNIPGS2001'
MemName: 'mytest1.sh'
Field: Host Group
Warning: Agent 'lnx-agnt-01' is not defined under Control-M/Server 'CTM_DU1'
An Invalid job was detected
JobName: 'DNIPGSR3_200'
MemName: ''
Field: Host Group
Warning: Agent 'sap-01' is not defined under Control-M/Server 'CTM_DU1'
[2022-02-08 11:20:00 Europe/Paris] Deployed 1 folders:
DNIPGS2000
```

A blue callout box points to the warning messages in the log, containing the text:

Warning message from the Automation API log:
There are two not yet defined agents, but folder
and jobs have been deployed

ProcMan Control-M Example

ProcMan 5.0.3

Menu

- Home
- General
 - Logout
 - Switch to client
 - Change Password
 - Options
- Edit
 - Create Process
 - Work list
- Public filters
- View
 - Object Browser
- Administration
 - Definitions
 - Clients
 - Roles
 - Accounts
 - Timezone assignment
 - Role assignment
 - Calendars
 - Calendar assignment
 - Search areas
 - Processes
 - Actions
 - Global Definitions
 - Process Definitions
 - Object Browser
- Tools
 - open all | close all

Information

System Info

https://pc110.horizont-it.de:12443/index.php

HORIZONT

Action Buttons: OK Report Delete Recall Edit View Filter

Work list

3 Process row(s)

		Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	TESTER	nico-admin	Ready	Ready	Demo			1	12345
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	DEVELOPER	nico-admin	Complete	Ready	Demo			1	12345
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	TESTER	nico-admin	Ready	Ready	Demo			1	12345
<input type="checkbox"/>	<input checked="" type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	PLANNER	nico-admin	Waiting	Ready	Demo			1	12345
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Delete def...		DEVELOPER	nico-admin	Interrupted	Interrupted	Test PMN 5.0.3 Relea...				5.0.3
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...		DEVELOPER	nico-admin	Interrupted	Interrupted	Test Helmut				123

Check all processes Clear all processes Toggle all processes

Check all activities

Check executable

Expand all processes

This demo uses three different roles in the process. Activity two must be started by a user with role 'Tester'

After deploy is done, you can complete the first activity. The next "task" in sequence automatically becomes ready. (write the folder(s) to the "TEST" environment).

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Information

System Info

Action Buttons

OK View Edit Restore Reject Interrupt Discard

Process Id: 71 - Control-M Dev-Test-Prod - Role: TESTER

General process data

Additional process data

Memo

Deploy into TEST environment is aproved

Check if Folders already exist in ProcMan

	System	ID	Type	Check
<input type="checkbox"/>	TEST	CTM_TU1/TNIPGS2000	New	Done

Check all Clear all Toggle selection

Memo History

Continue with activity two to
deploy Control-M objects into
TEST environment

Change rules are running
automatically

ProcMan Control-M Example

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Menu

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Process Definitions

Object Browser

Tools

open all | close all

Information

System Info

Action Buttons

OK

Report

Delete

Recall

Edit

View

Filter

Search

New Sub Process

Work list

3 Process row(s)

		Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Group Id	Predecessor Id	Object Count	Change ID
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	PLANNER	nico-admin	Ready	Ready	Demo			1	12345
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	DEVELOPER	nico-admin	Complete	Ready	Demo			1	12345
<input type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	TESTER	nico-admin	Complete	Ready	Demo			1	12345
<input type="checkbox"/>	<input checked="" type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	PLANNER	nico-admin	Ready	Ready	Demo			1	12345
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Delete def...	65	DEVELOPER	nico-admin	Interrupted	Interrupted	Test PMN 5.0.3 Relea...				5.0.3
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	8	DEVELOPER	nico-admin	Interrupted	Interrupted	Test Helmut				123

Check

all processes

Toggle process selection

Last step of process is an automatic activity which will be executed based on the date set at the beginning or you can execute it manually.

ProcMan Control-M Example

Report will show you all details

When all activities are completed, you can find the handover process in the "History" (there are a lot of search and filter options)

	Client	Process type Description	Process Id	Role	User	Activity Status	Process Status	Description	Object Count	Change ID	Creator	Creation Date
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71		nico-admin		Complete	Demo	1	12345	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	DEVELOPER	nico-admin	Complete	Complete	Demo	1	12345	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	TESTER	nico-admin	Complete	Complete	Demo	1	12345	nico-admin	2022/02/01
<input checked="" type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	71	PLANNER	nico-admin	Complete	Complete	Demo	1	12345	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	70		t391d		Complete	Test PMN 5.0.3	1	00001	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	67		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	66		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	65		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	64		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	63		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	62		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	61		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	60		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	59		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	58		t391d		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	57		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	56		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	55		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	54		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	53		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	52		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	51		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	50		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	49		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	48		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	47		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	46		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	45		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	44		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3	nico-admin	2022/02/01
<input type="checkbox"/>	HORIZONT	Control-M Dev-Test-P...	43		nico-admin		Complete	Test PMN 5.0.3 Relea...	1	5.0.3		

ProcMan Control-M Example

Compare different versions
and see all changes

In the report you can see e.g.
who worked on the handover,
all entered user values and all
versions of all folders of all
stages etc. are shown.

ProcMan

https://pc110.horizont-it.de:12443/index.php

ProcMan 5.0.3

Menu

Home

General

Logout

Switch to client

Change Password

Options

Edit

Create Process

Work list

Public filters

CTM History

JCL History

View

Object Browser

Administration

Definitions

Clients

Roles

Action Buttons

Save

Show

Cancel

System: PROD, ID: CTM_PW1/PNIPGS2000

2022/02/08 12:33:33 - PROD

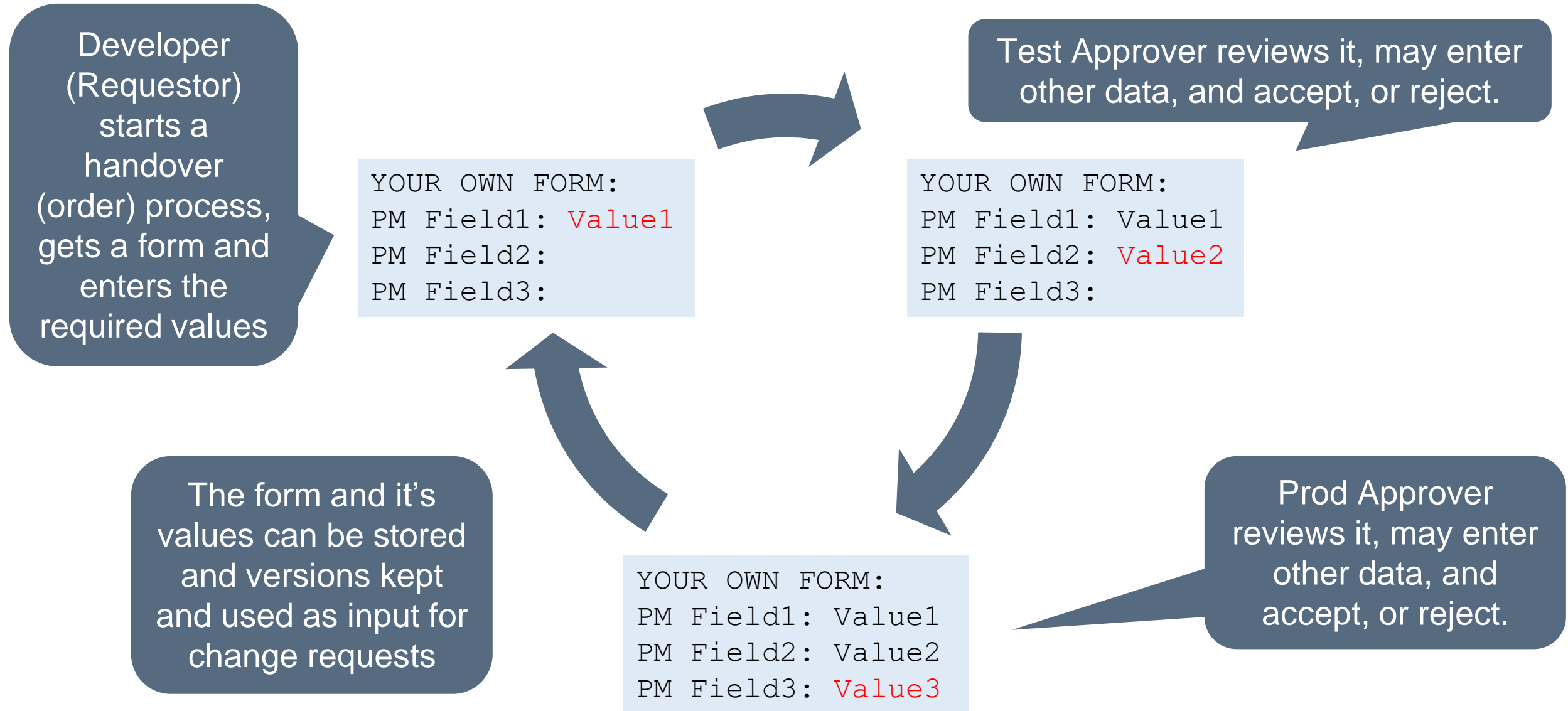
Compare with: Interim object versions used in the process

2022/02/08 12:14:38 - TEST

Type	New	New
Version saved by	nico-admin	nico-admin
System	PROD	TEST
Control-M Server	CTM_PW1	CTM_TU1
Folder Name	PNIPGS2000	TNIPGS2000
Definition (XML)	<pre><?xml version='1.0' encoding='UTF-8' ?> <DEFTABLE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="Folder.xsd"> <SMART_FOLDER ADJUST_COND="N" APPLICATION="PNIPGS" APPL_TYPE="OS" APR="1" AUG="1" AUTOARCH="1" CHANGE_DATE="20220203" CHANGE_TIME="080003" CHANGE_USERID="emuser" CONFIRM="0" CREATED_BY="jens" CREATION_DATE="20210818" CREATION_TIME="094314" CREATION_USER="emuser" CRITICAL="0" CYCLIC="0" CYCLIC_TOLERANCE="0" CYCLIC_TYPE="C" DATACENTER="CTM_PW1" DAYS="ALL" DAYSKEEPINNOTOK="0" DAYS_AND_OR="0" DEC="1" DESCRIPTION="Smart Jobs!" ENFORCE_VALIDATION="N" FEB="1"</pre>	<pre><?xml version='1.0' encoding='UTF-8' ?> <DEFTABLE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="Folder.xsd"> <SMART_FOLDER ADJUST_COND="N" APPLICATION="TNIPGS" APPL_TYPE="OS" APR="1" AUG="1" AUTOARCH="1" CHANGE_DATE="20220203" CHANGE_TIME="080003" CHANGE_USERID="emuser" CONFIRM="0" CREATED_BY="jens" CREATION_DATE="20210818" CREATION_TIME="094314" CREATION_USER="emuser" CRITICAL="0" CYCLIC="0" CYCLIC_TOLERANCE="0" CYCLIC_TYPE="C" DATACENTER="CTM_TU1" DAYS="ALL" DAYSKEEPINNOTOK="0" DAYS_AND_OR="0" DEC="1" DESCRIPTION="Smart Jobs!" ENFORCE_VALIDATION="N" FEB="1"</pre>

Information

How does it work for “Universal Objects”?

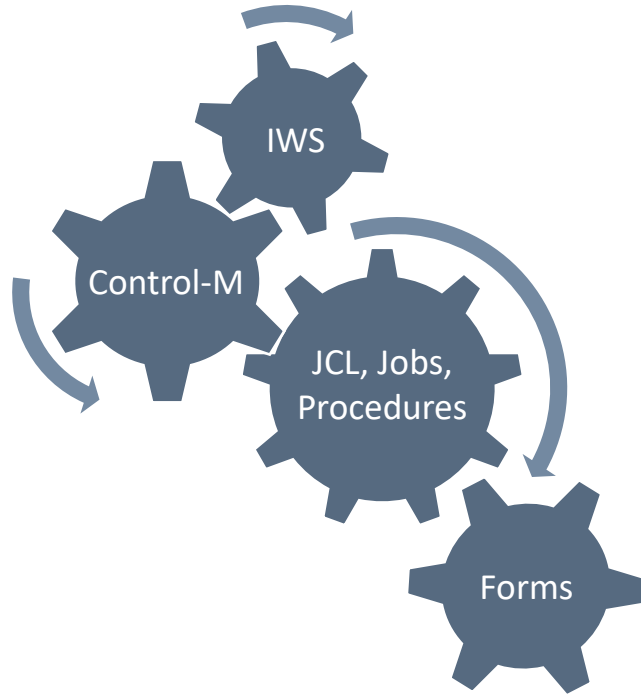


ProcMan “other” Features (Universal-Module)

There is a so called “Universal Object Module”:

- The workflow can span one or more activities (“stages”)
- You design the forms with required and optional fields, users, based on roles, may have to fill different fields
- It can be a one way only (so called “simple ticket process”), which is stored in the archive for review only
- It can be defined as an “Object” (e.g. special kind of Job or Job-Documentation), which is stored in versions and can be re-used for later requests
- There is an extra “Object Browser” just to browse the current content
- Every activity can call a script (on any “connectable”) system and pass all available field values as parameter to the script

ProcMan Benefits



→ **Workload-Objects**

Benefits with ProcMan

- ✓ Segregation of duties for Dev + Ops through activities and roles
- ✓ Automated object changes
- ✓ Automated environment updates possible
- ✓ Compliance for all rules and standards
- ✓ Browser application, adaptable for different user groups
- ✓ Interfaces to other workflow or request systems
- ✓ Versioning of all objects
- ✓ Seamless audit-trail for all changes by ProcMan
- ✓ Replacement of in-house developed software solutions
- ✓ Updates in production only by ProcMan, “hands-off-production”
- ✓ Establish 4-eyes-principles

Thanks for your attention! Do you have any questions?

The logo for 'HORIZONT' is displayed in a large, sans-serif font. The letter 'H' is dark grey, while the 'O' is a vibrant red. The remaining letters 'RIZONT' are dark grey. To the left of the 'H', there is a large red curved shape. Several small, semi-transparent geometric shapes (squares and a triangle) are scattered around the text, and a thin white line curves across the background.

HORIZONT

Please feel free to visit us in Munich or send an email to
info@horizont-it.com