

## Applies to:

- NetWeaver 7.10 Support Package 08
- NetWeaver 7.11 Support Package 02
- NetWeaver 7.20

For more information, visit the [SOA Management homepage](#).

## Summary

Introduction how to work with CTC check templates for PI.

**Author:** Markus Hardank

**Company:** SAP Deutschland AG & Co KG

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## Author Bio



Markus Hardank, SAP Deutschland AG & Co KG, PI development consultant

## PI CTC templates tips and tricks

Important related SAP notes: [1286149](#) (PI Self test) and [1060264](#) (PI Troubleshooting Guide)

As there is a new CTC template available (further information you find in the [note 1286149](#)) I wanted to give a short overview how to work with this kind of template and how you can analyze and solve problems in case you run into errors. This template is not linked to a specific point in the lifetime of a PI system (like the previous templates for initial configuration), so it can be executed at any time. This template does also not change the PI configuration it only checks runtime and provides you a report in form of a log. Necessary changes have to be executed manually.

The template is available since:

- NetWeaver 7.10 Support Package 08
- NetWeaver 7.11 Support Package 02
- NetWeaver 7.20

You can execute this Wizard after a new installation, during runtime or after applying a Support Package or Patch. It is only applicable if the system was setup by a 7.10 or higher installer. Systems that have been upgraded from 6.40 or 7.0 are not supported.

Start the template in the NWA CTC configuration wizard. You can directly find the template if you enter the name "PI Self Test for NetWeaver" in the filter.

### Configuration Wizard: Overview

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#### Configuration Tasks

First chose the view, then select a task and the action you want to perform

Show:

Task Name	Status
<ul style="list-style-type: none"> <li>▶ PI Self Test for NetWeaver</li> </ul>	
<ul style="list-style-type: none"> <li>PI Self Test for NetWeaver</li> </ul>	Initial

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#### Description

**Checks the PI Configuration on a SAP NetWeaver System**

Note: Make sure that the PI Configuration Template has been executed before. For further information see note 1286149.

In case you have already executed the template once you will find the status of the last run and also the execution time behind the task name. In this case you have to start the template by "Re-execute".

You have to provide an ABAP administrative user with password and the password of the j2ee administrative user. Please note that the passwords will be checked and the template connects via these passwords to the system. In case you provide wrong information and retry your users might get locked (depending on your password policy)!

### Configuration Wizard: Overview

**PI Self Test for NetWeaver**

0%  
Step 1 of 29: Read the User Input

**PI Self Test for SAP NetWeaver**

**ABAP Administrator**

User:  ⓘ

Password:  ⓘ

**J2EE Administrator**

User:  ⓘ

Password:  ⓘ

**PI Integration Server**

Client Number:  ⓘ

◀ Previous Next ▶ Cancel

**Details**

You proceed by clicking on next and will get the result of the CTC PI check run. You can also jump directly to the log during runtime by just clicking on the step.

### Configuration Wizard: Overview

**PI Self Test for NetWeaver**

100%

🚩 **Process "PI Self Test for NetWeaver" completed with skipped steps**

[View Log](#) [Return to Task List](#)

◀ Previous Next ▶ Cancel

**Details**

After execution you can click on the “View Log” link to get further information of failed and executed steps. We will look closer into this. If you directly want to check the result of a specific check you can expand the details section of the template. There you find a list of the executed steps with a status sign. The 🚩 symbol indicates that there was a problem. By clicking on the link you jump directly to the execution log of that specific step.

**Description**

Checks the PI Configuration on a SAP NetWeaver System  
Note: Make sure that the PI Configuration Template has been executed before. For further information see note 1286149.

**Details**

## Configuration Wizard: Overview

### PI Self Test for NetWeaver

100%

Process "PI Self Test for NetWeaver" completed with skipped steps

[View Log](#) [Return to Task List](#)

◀ Previous Next ▶ Cancel

### Details

#### Process Status

Expand All Collapse All Expand to Deeper Level Collapse to Higher Level Select All Deselect All Export Import

#### Process Description

- [Binding System Number](#)
- [Binding System Host Name](#)
- [PI Self Test for NetWeaver Process](#)
  - [Check connection to SLD](#)
  - [Check connection to Exchange Profile](#)
  - [Check the domain registration in the SLD](#)
  - [Check connection to ESR](#)
  - [Start Cache Update connectivity test](#)
  - [Check Cache Update connectivity test](#)
  - [Check Web Services setup](#)
  - [Check whether queues are registered on IS client](#)
  - [Check whether blocked qRFC queues exist](#)
  - [Check whether blocked bgRFC queues exist on IS client](#)
  - [Check message status](#)
  - [Check non final messages on Adapter Engine](#)
  - [Check Mapping Runtime RFC Destination](#)

If you go via the general "View log" link you will get a detailed overview of the execution of the template. That means how many steps were executed successfully, in which steps there were problems. In the "sub steps" section you can click through the hierarchy of the executed steps.

If you just want information about a certain step you can directly jump into that step by clicking on it – without going to the View Log view.

## PI Self Test for NetWeaver

[show reporting information](#)

### Description

#### Checks the PI Configuration on a SAP NetWeaver System

Note: Make sure that the PI Configuration Template has been executed before. For further information see note 1286149.

### State

Root process finished with skipped steps  
(2 steps executed successfully)

### Failed steps (4)

- [Check the domain registration in the SLD](#)
- [Check Web Services setup](#)
- [Check non final messages on Adapter Engine](#)
- [Check Adapter Engine Runtime](#)

### Sub steps

- [Read the User Input](#)
- [Binding System Name](#)
- [Binding System Number](#)
- [Binding System Host Name](#)
- [PI Self Test for NetWeaver Process](#)

If you look into the log of a specific step you will find the following information:

- Description and state of the step (for every step) – this provides you valuable information to further sources (eg notes) with detailed explanation and information.

[PI Self Test for NetWeaver](#) > [PI Self Test for NetWeaver Process](#) > Check the domain registration in the SLD

### Check the domain registration in the SLD

Description
<p><b>Checks the domain registration in the SLD</b></p> <p>In case of problems please refer to the PI Trouble Shooting Guide. See note 1060264.</p>
State
Step was skipped

- Stack trace (in case of an error message) – this is a very helpful section as in most cases it will provide you important hints, why something went wrong.

In our example – the wrong value for the integration server client was entered. So changing the value in the UI section of the template will solve this issue. Other typical issues could be that services are not registered or started.

After doing the necessary steps you can check the result by just re-executing the template.

InvokeService- Result: **ERROR**

Refresh Env. Messages: false

Duration: 0.237 sec

[Library Info](#)

[Default Trace](#)

**Exception Class:** com.sap.tc.lm.ctc.metamodel.exception.ActionExecuteException

**Exception Message:** Execution of Function SXMS\_CHECK\_DOMAIN ends with an error (cause:Check must be run on Integration Server client, error code:000).

- Messages at exception time (in case of an error message)

### Messages at exception time

[ProcessRequest](#)  
[ErrorMsg](#)  
[EMPTY\\_MESSAGE\\_FOR\\_XPATH](#)  
[UMEDestination](#)  
[CTCImportParameters](#)  
[UsageTypeProfile](#)  
[SLDAdministrator](#)  
[Wizard](#)  
[com.sap.tc.lm.ctc.SystemType](#)  
[SystemInfo](#)  
[J2EEAdministrator](#)  
[XIPROFILE\\_HEALTH\\_CHECKOutput](#)  
[SLDAPI\\_HEALTH\\_CHECKOutput](#)  
[SXMB\\_CHECK\\_IS\\_CLIENT\\_SPECIFIEDOutput](#)  
[checkUserPasswordOutput](#)  
[WebDynpro](#)  
[PISelfTest](#)  
[Wizard](#)

Probably the stack trace section will give you a good hint where your problem is located. If you could not solve your problems by looking at the log a further source of information that might help is the PI Troubleshooting guide. (SAP note: [1060264](#)).

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