NVS Greenex Monitoring.

Setup guide.

Part 2

Configuring SAP ABAP Reports

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Introduction.

This instruction is a continuation of the Setup Guide. Part 1.

As an example, we consider setting up a dump report in SAP ABAP transaction ST22. For other types of checks, you need to change the type of background task, otherwise the differences are insignificant. The example illustrates typical steps for configuring other SAP ABAP reports of the "trigger" type, i.e. tracking one numeric parameter and sending an email when it is exceeded, as well as a letter about parameter normalization.

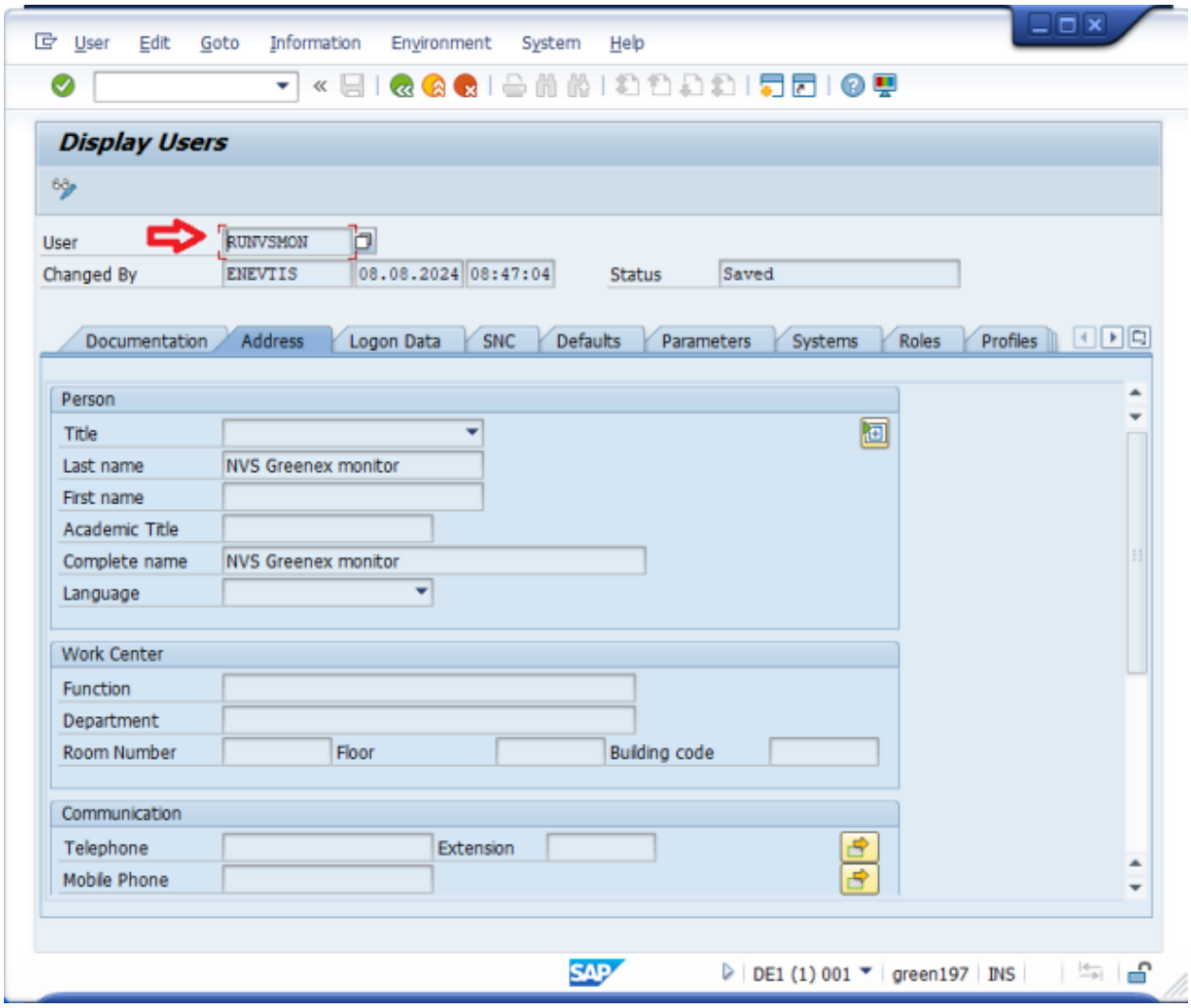
For a better understanding, it is also recommended to read the first part of the document

Example. Configuring the SAP ABAP dump ST22 report.

Creating a user in the SAP system.

Create a user with which the monitor will poll the SAP system in

transactions SU01



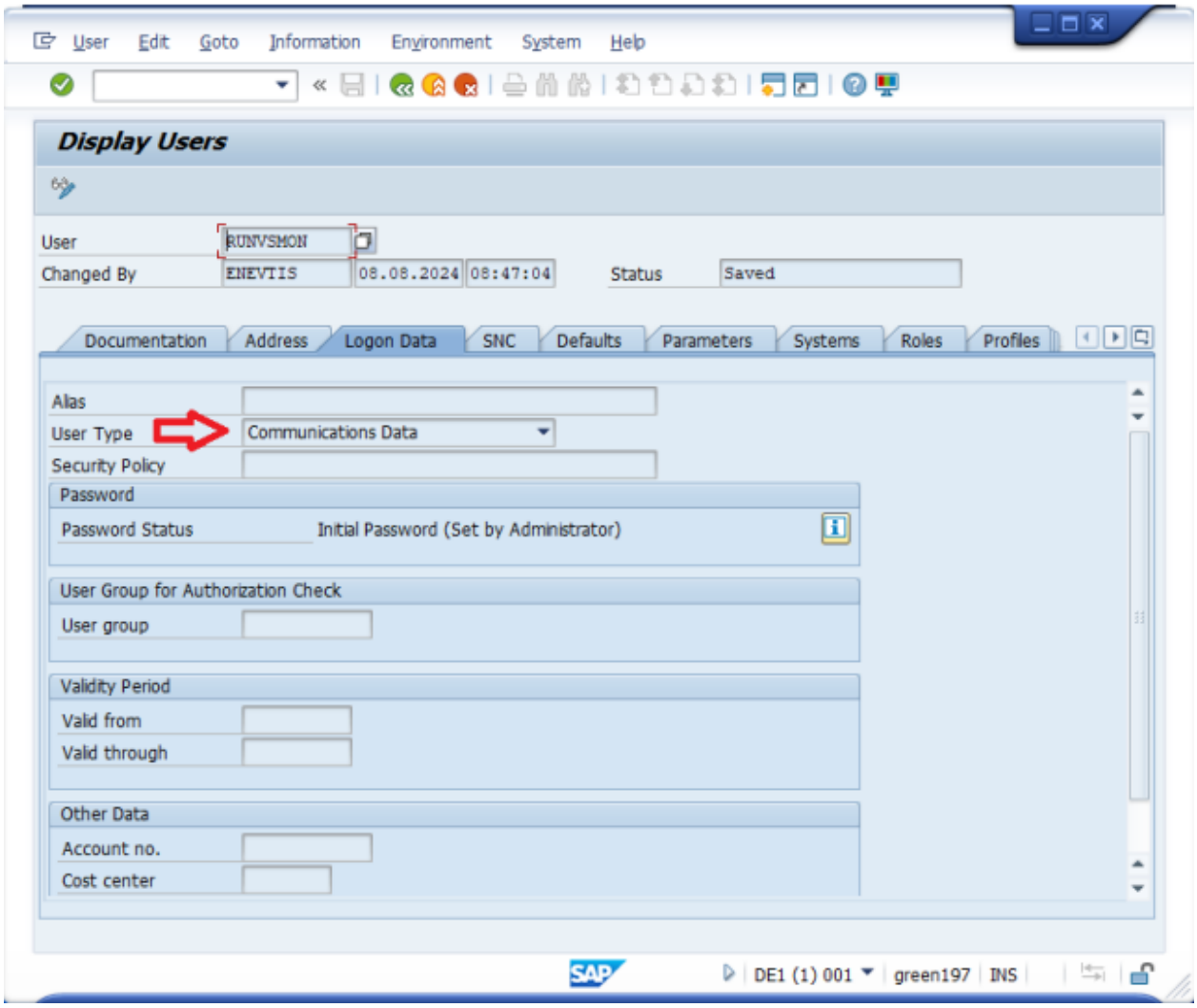
Set its type as Communication Data for greater security.

Attention. For test purposes, the user has been assigned the SAP_ALL profile. In practice

, it is recommended to limit his rights to a separate role, which you can create

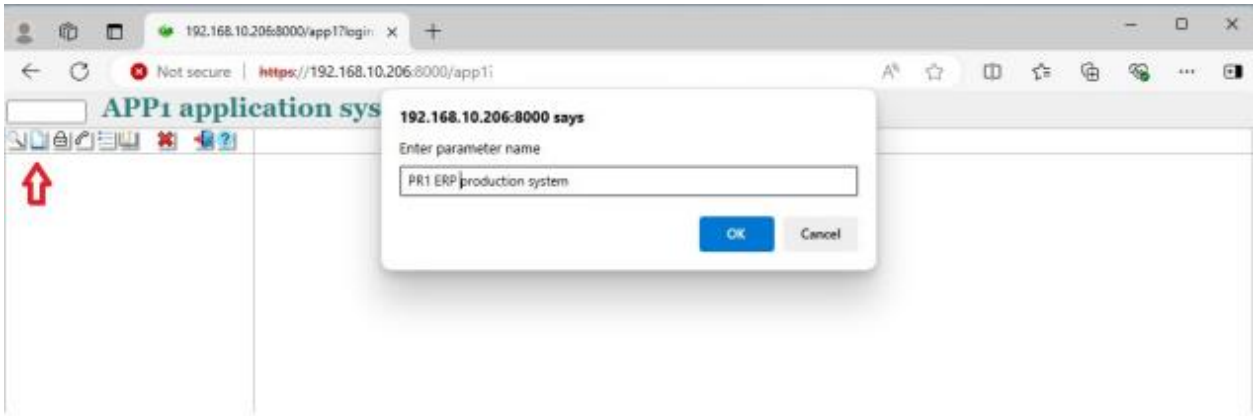
yourself by enabling authorization tracing. The topic of authority in SAP is beyond the

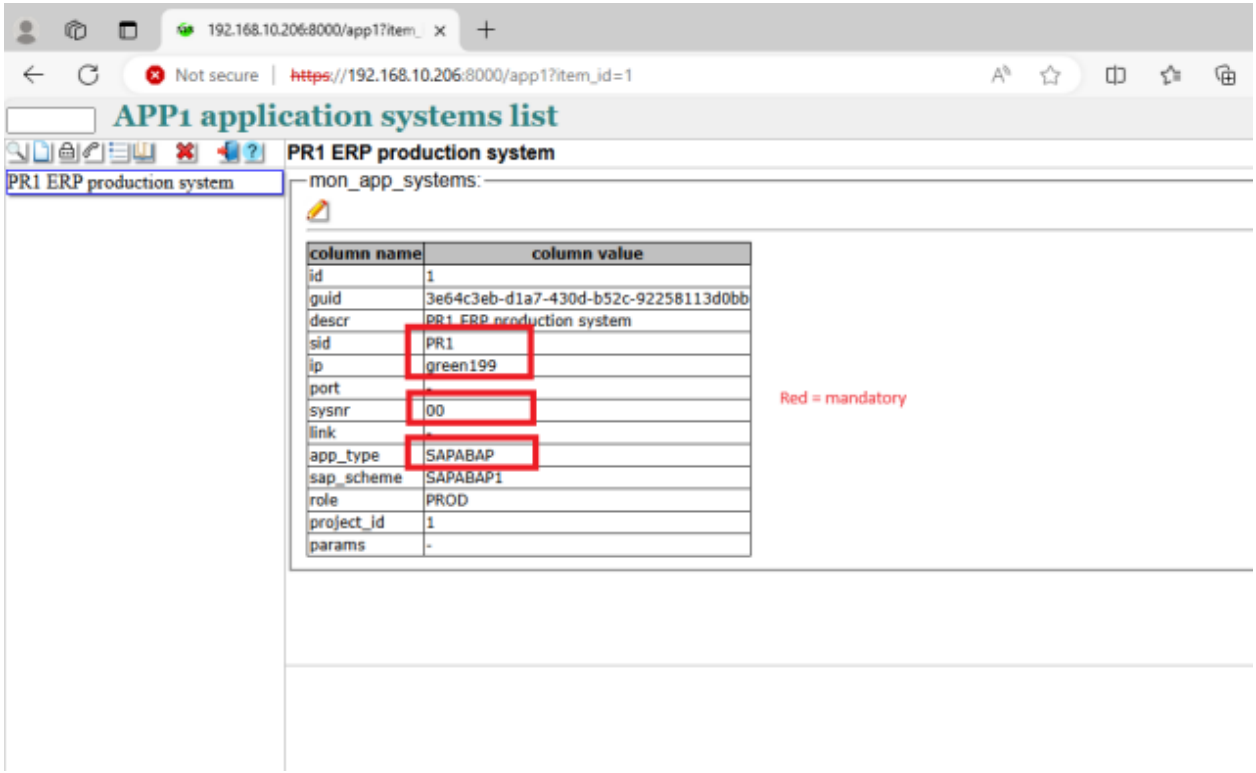
scope of this document


User Edit Goto Information Environment System Help
Display Users
User RUNVSMON
Changed By ENEVTIS 08.08.2024 08:47:04
Status Saved
Documentation Address Logon Data SNC Defaults Parameters Systems Roles Profiles
Alias
User Type Communications Data
Security Policy
Password
Password Status Initial Password (Set by Administrator)
User Group for Authorization Check
User group
Validity Period
Valid from
Valid through
Other Data
Account no.
Cost center
DE1 (1) 001 green197 INS

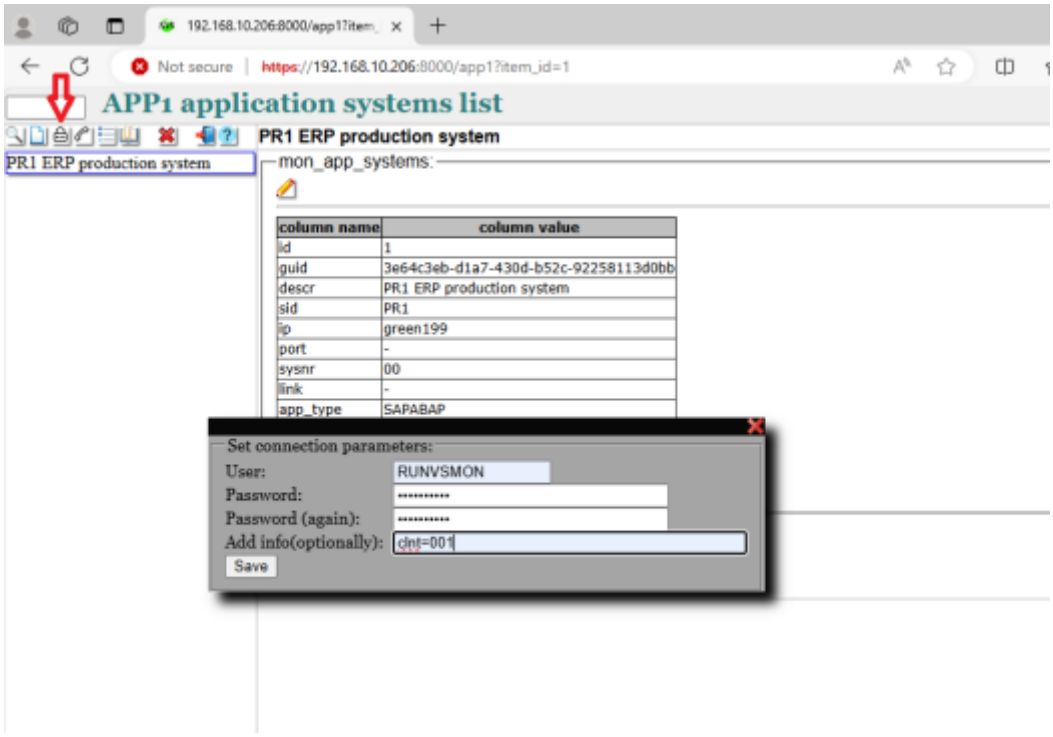
Registration of the SAP ABAP system in the NVS Greenex monitor.

Create a system record in the APP1 transaction. The procedure is similar to registering the SAP HANA database from the first part of the document. To edit the parameters, use the context menu



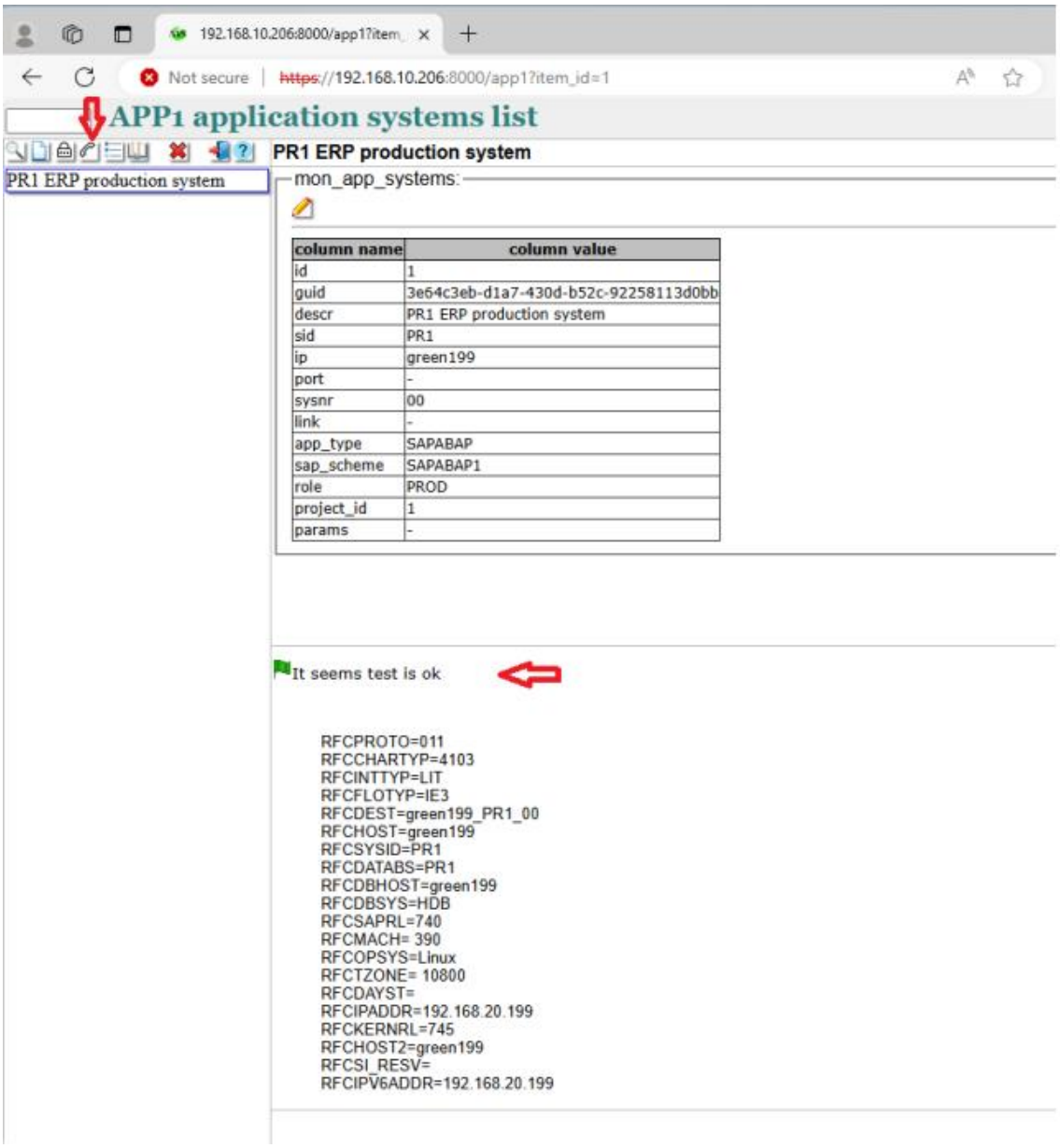


Enter the username and password for the connection that you created earlier. Do not forget to specify the client for the SAP system



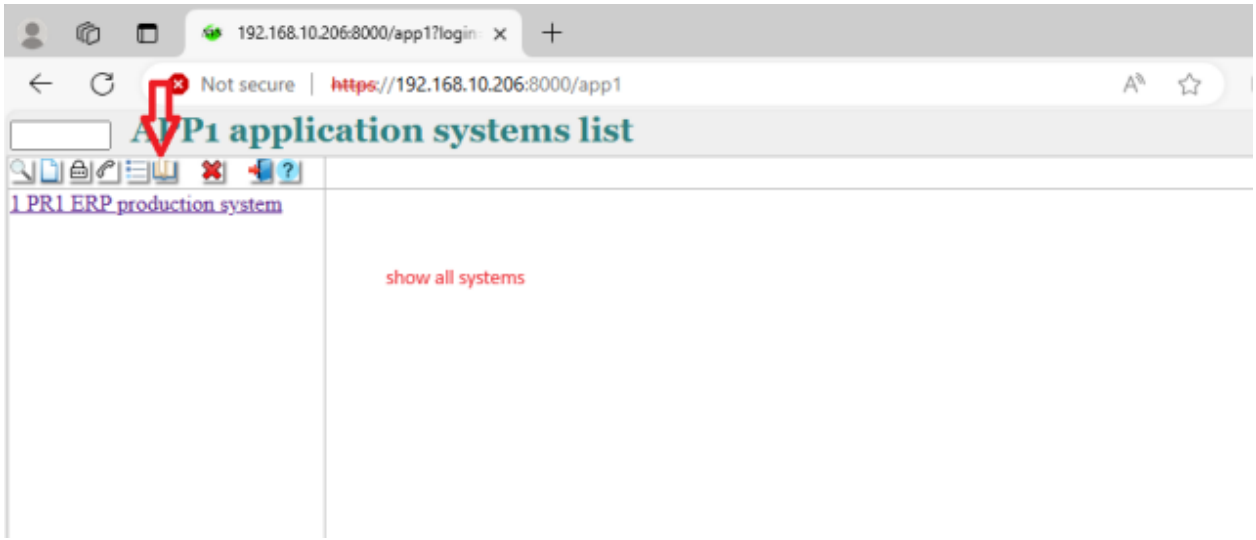
Check the connection. If successful, you will see a green flag and the SAP system parameters:

However, remember that the test does not check whether all the permissions are sufficient. In case of incorrect operation, use the authorization trace in SAP



Hint:

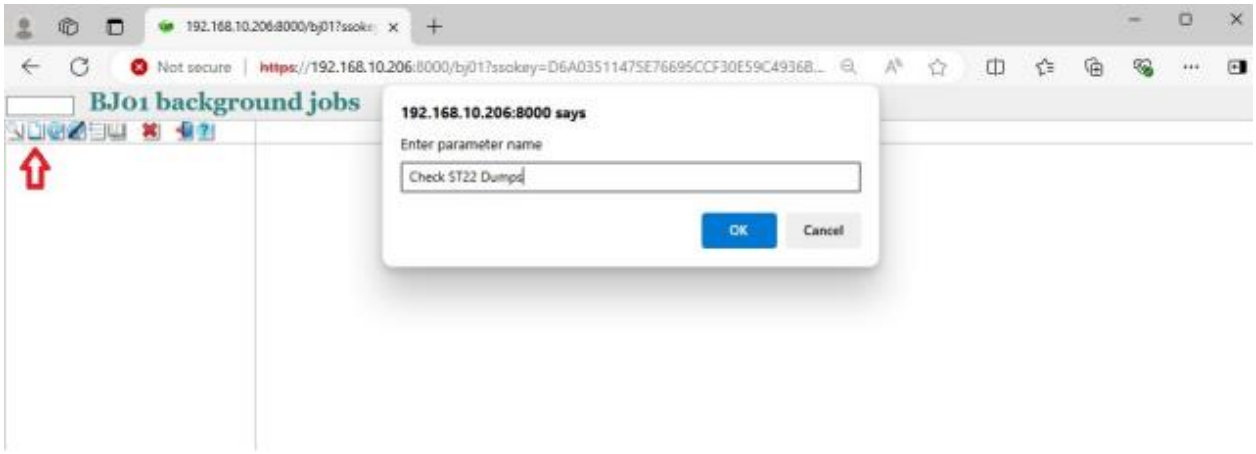
If you re-enter the transaction, you can see the systems that have already been entered using the open book icon



Planning a background task

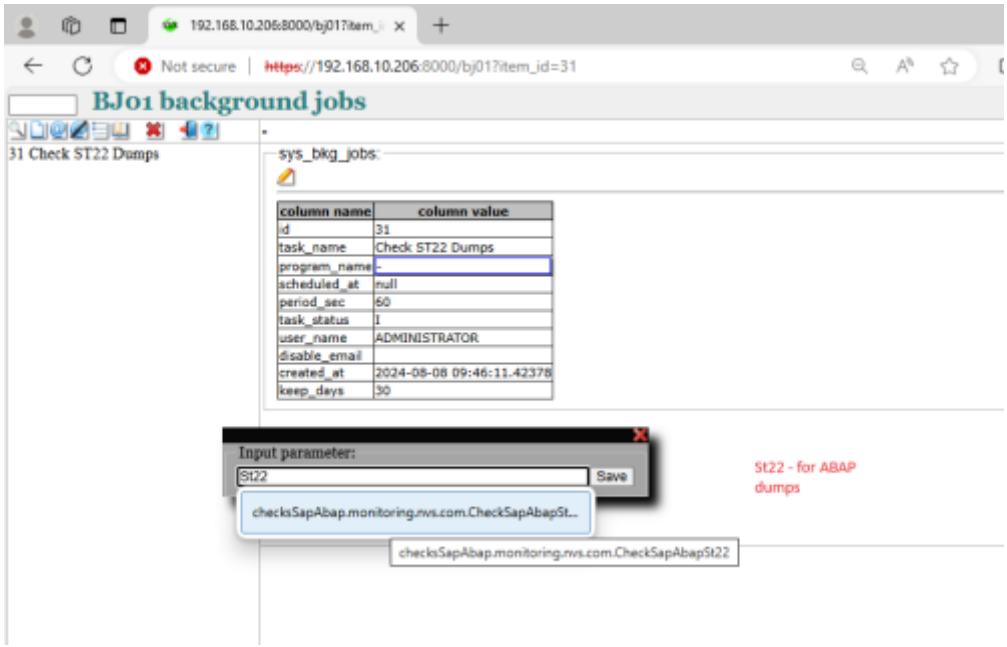
In the BJ01 transaction, create a new background task that will poll the systems (in our case, the only one) and count the number of dumps in the last 15 minutes.

If the threshold of 30 dumps is exceeded, the monitor must send an email

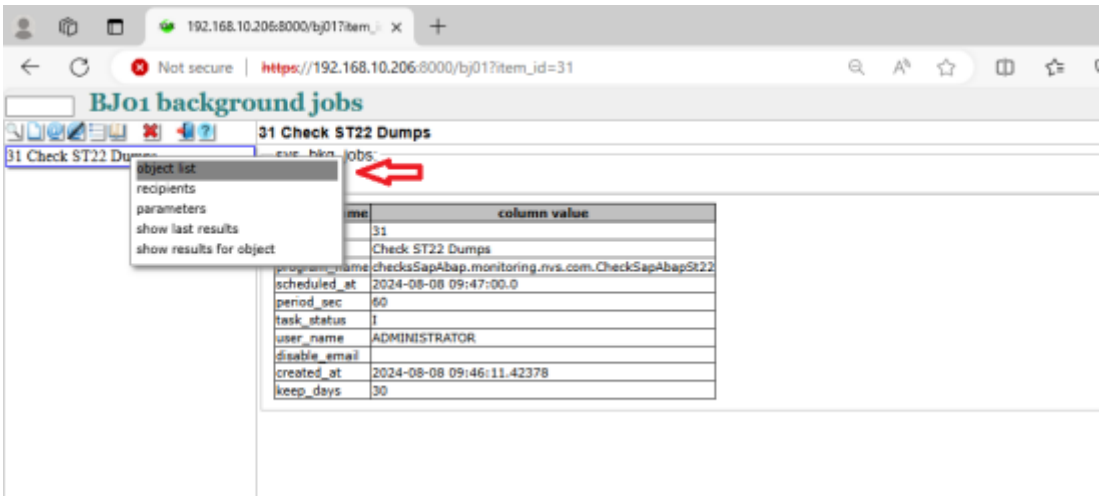


In the program name field, specify the type of report :

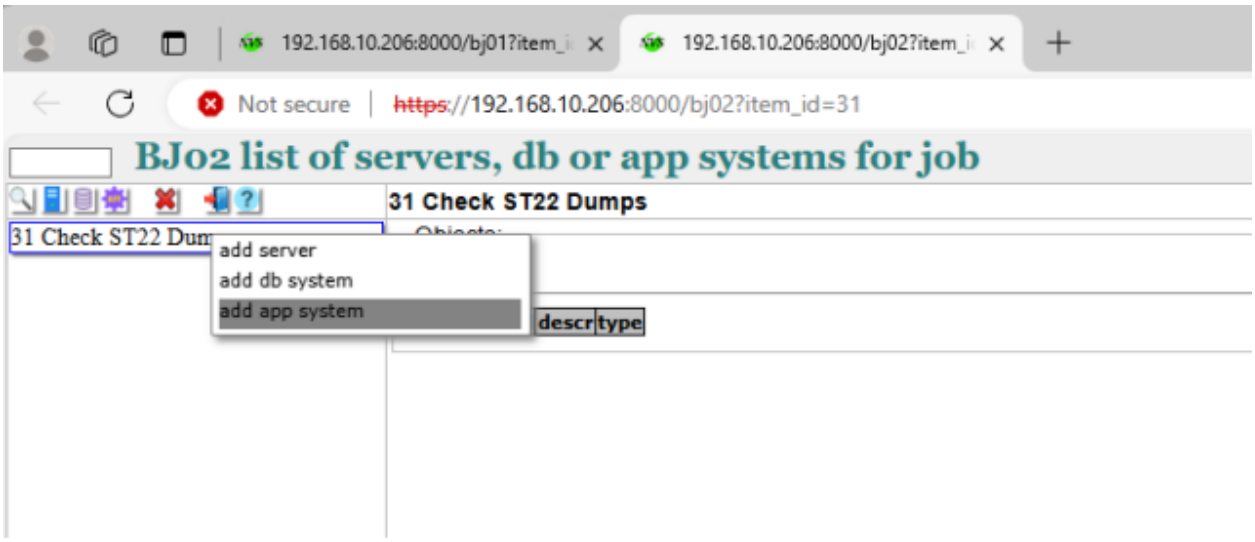
checksSapAbap.monitoring.nvs.com.CheckSapAbapSt22

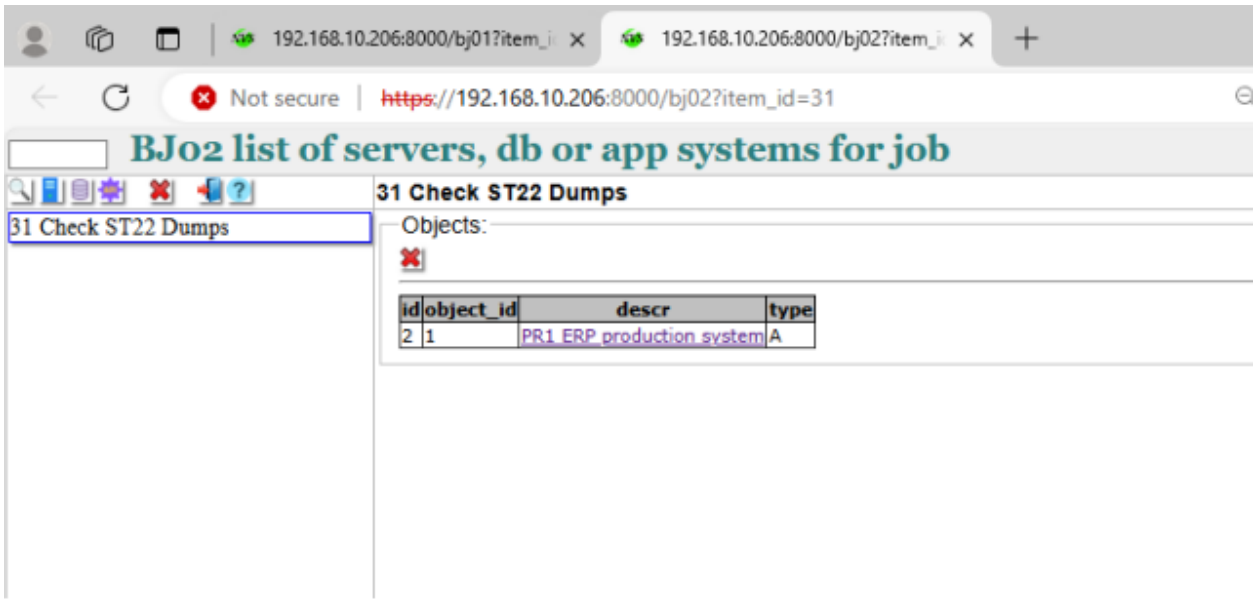


Specify which systems the task will check. In the example, we have one system



You will be transferred to the BJ02 transaction. Add a system by name

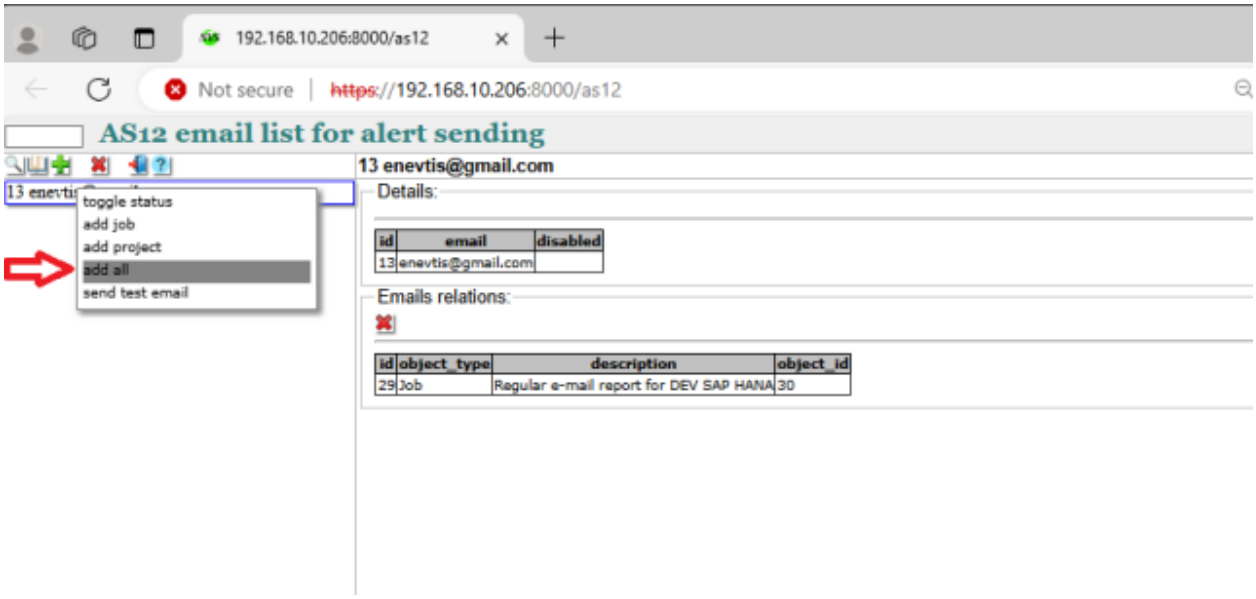


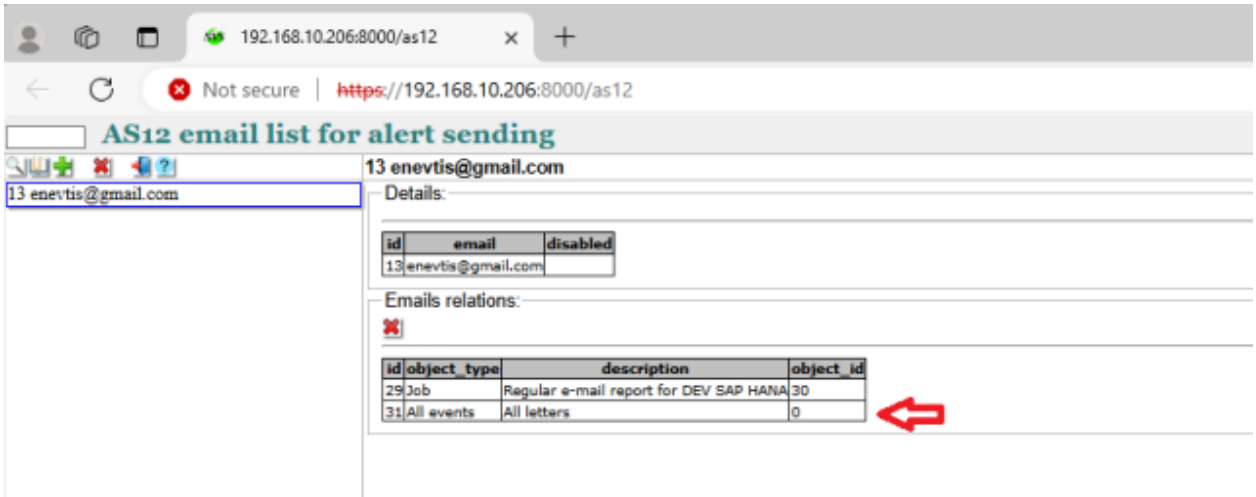

192.168.10.206:8000/bj01?item_i
192.168.10.206:8000/bj02?item_i
Not secure
https://192.168.10.206:8000/bj02?item_id=31
BJ02 list of servers, db or app systems for job
31 Check ST22 Dumps
31 Check ST22 Dumps
Objects:
id
object_id
descr
type
2
1
PR1 ERP production system
A

Editing the mailing list recipients.

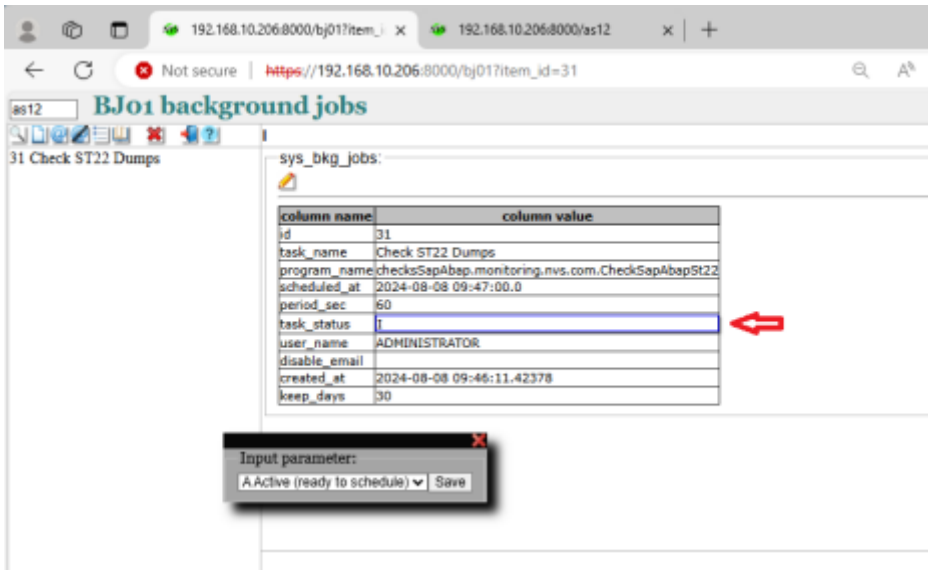
In AS12, if necessary, add e-mail addresses and use the context menu to select add all.

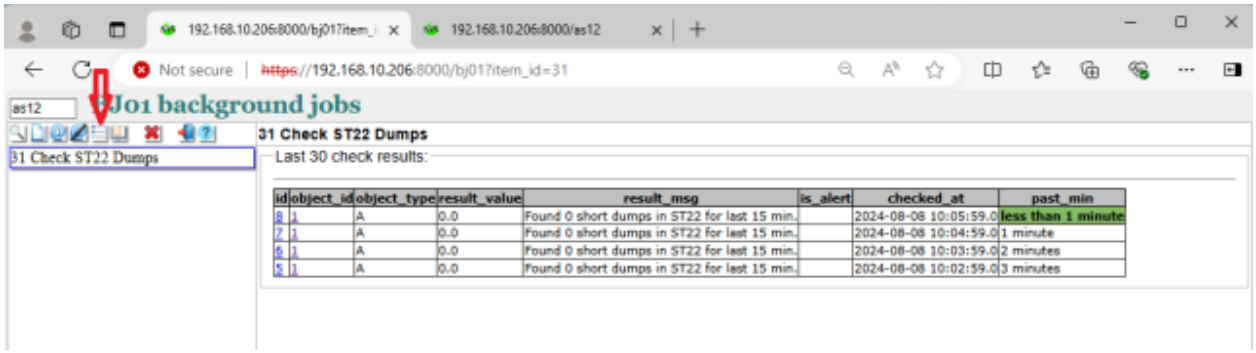
Unlike regular statistical reports, trigger reports are intended for administrators who receive notifications globally across all systems. You can limit this property by maintaining hardware projects, but this is beyond the scope of this instruction





Activate the task in BJ01 if you haven't already done so



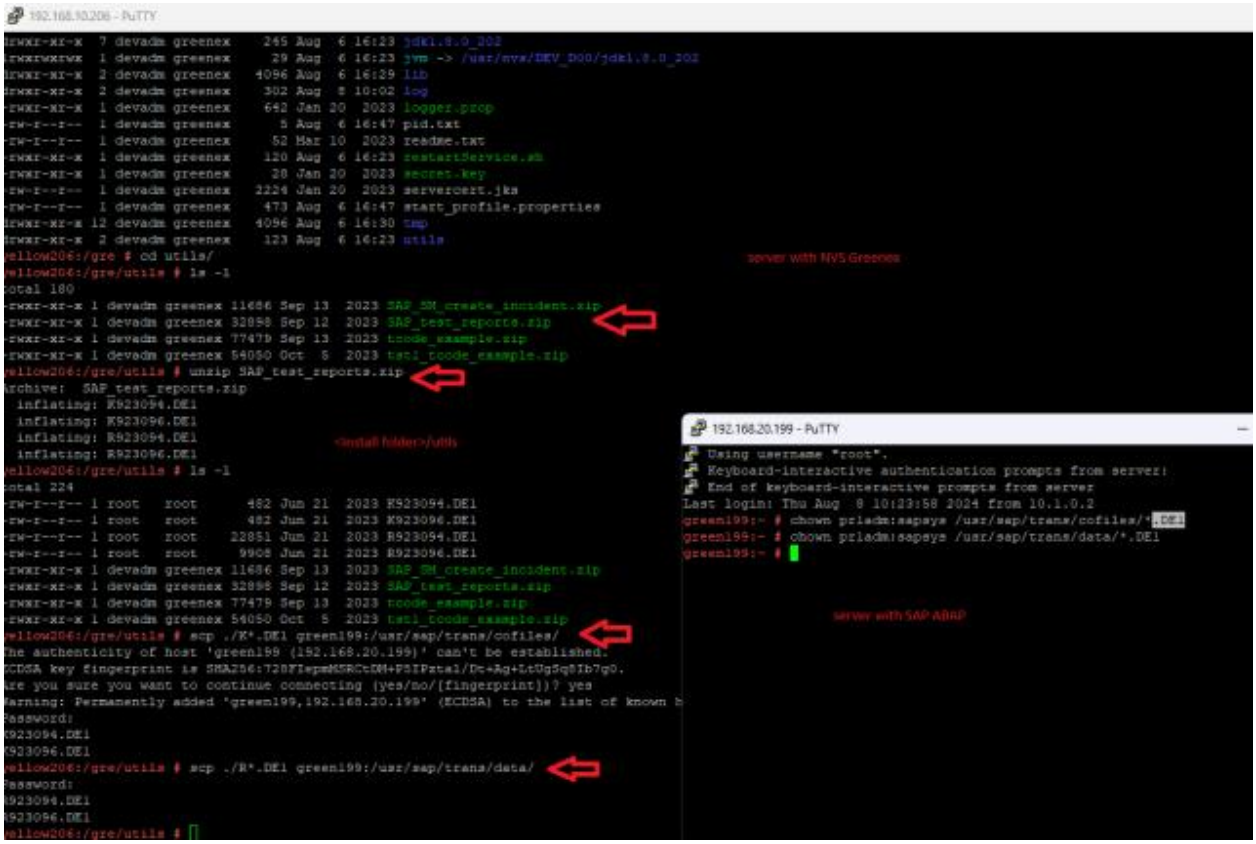


Checking the correct operation of the monitor.

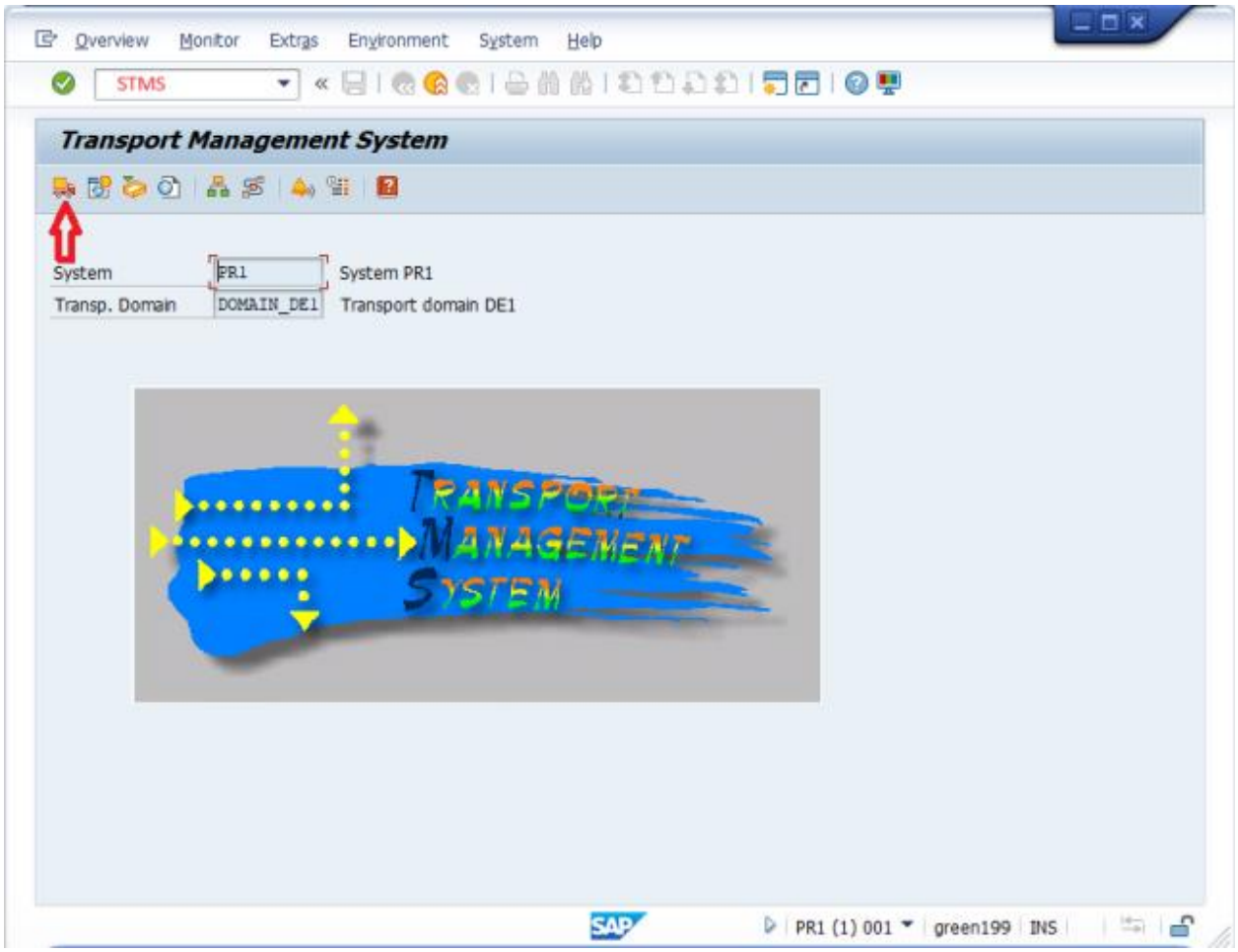
This operation is optional, but it is recommended to verify the operation of the monitor in order to reduce the risk of missing an SAP malfunction. In the NVS Greenex distribution Additional test programs are provided to simulate various malfunctions.

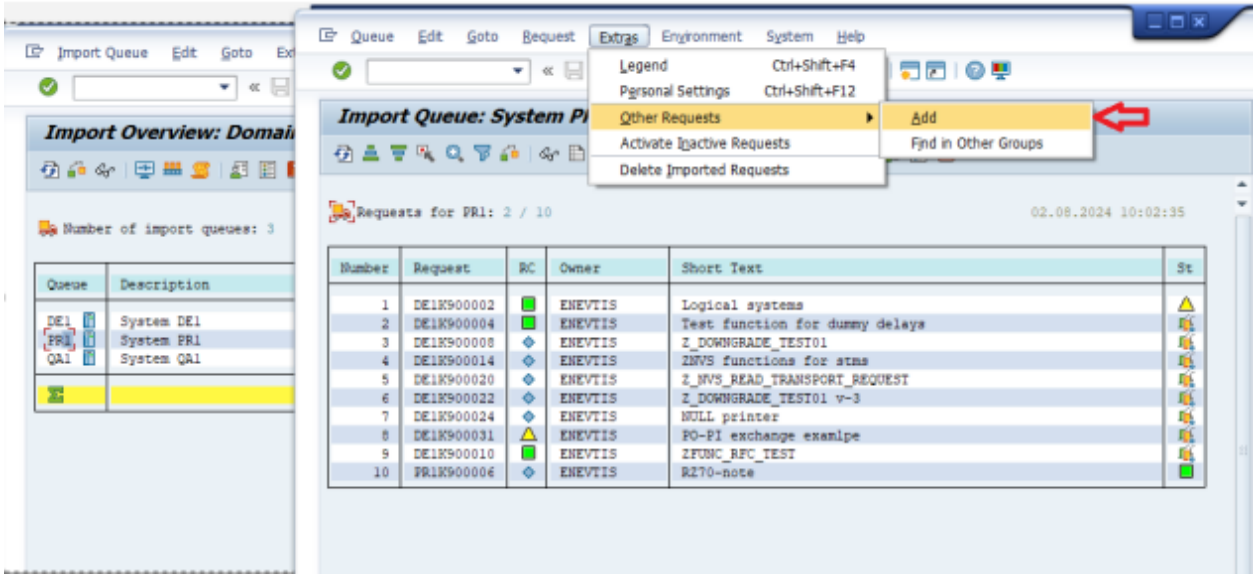
We can use the report to generate massive division by 0 dumps. This will not cause damage to the system being checked, but it will help to make sure that the monitoring is working properly.

Import reports via the standard SAP transport mechanism by unpacking transport requests from the archive /usr/nvs/DEV_D00/utils/SAP_test_reports.zip

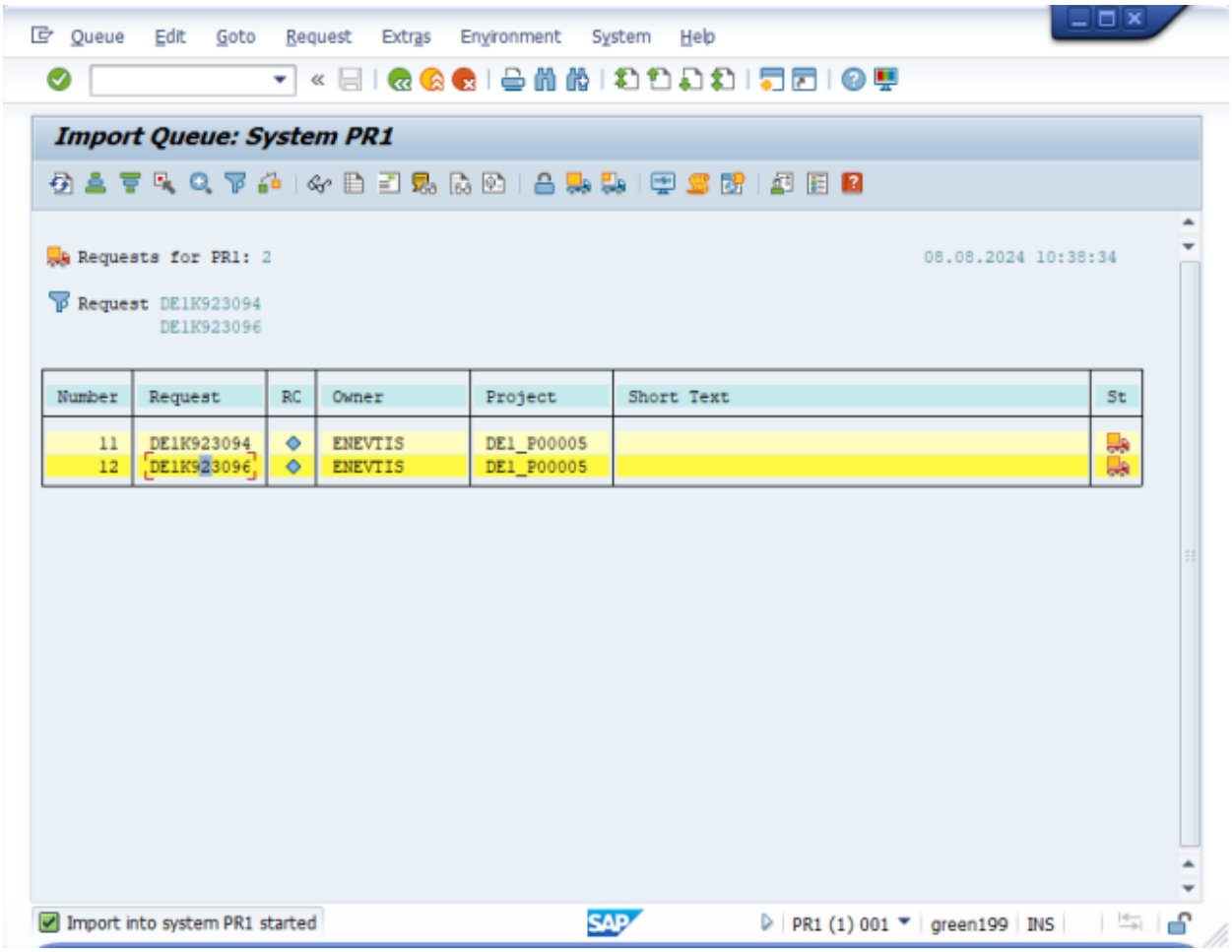


Import requests to STMS





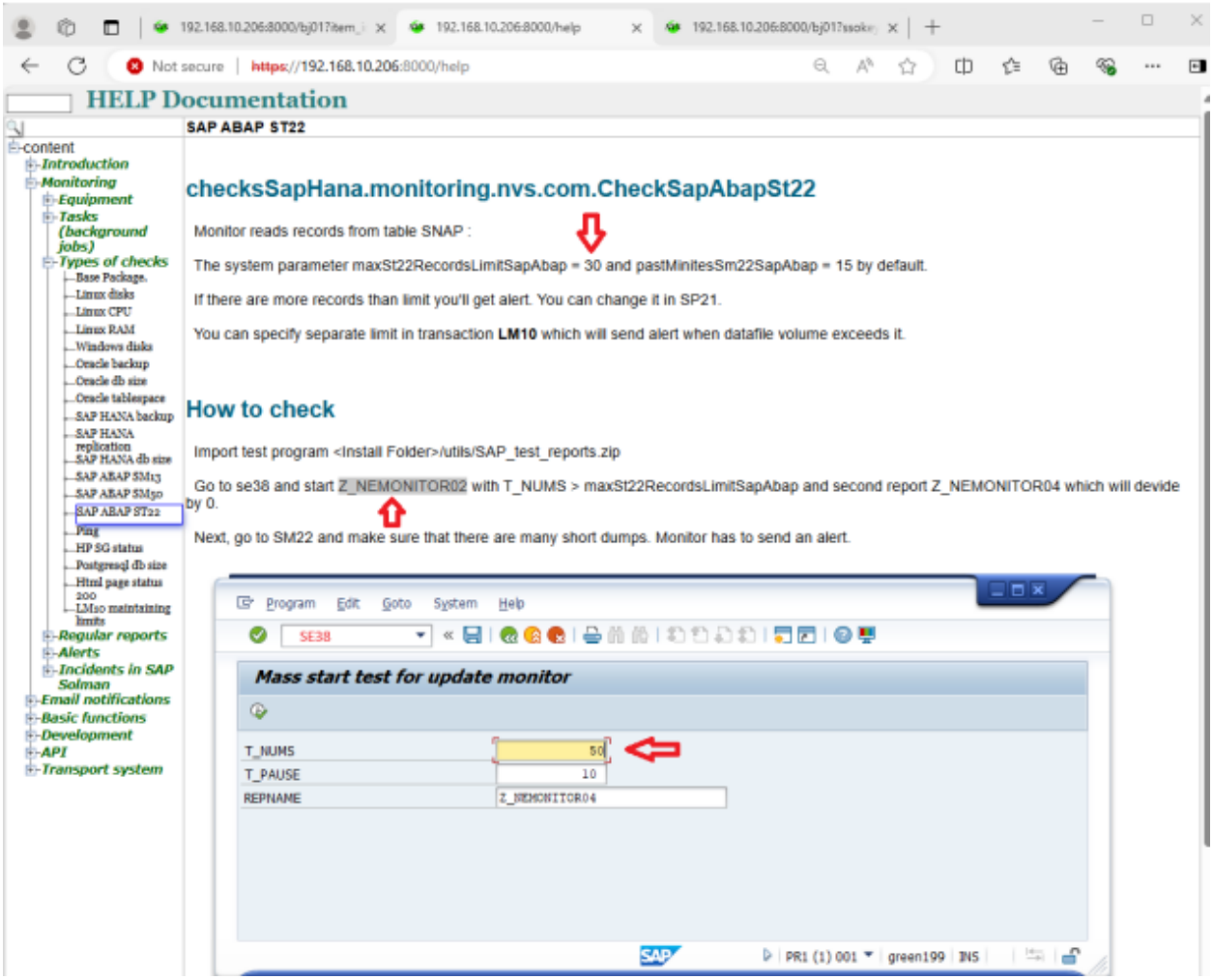
Next are the standard steps for the SAP Basis administrator:



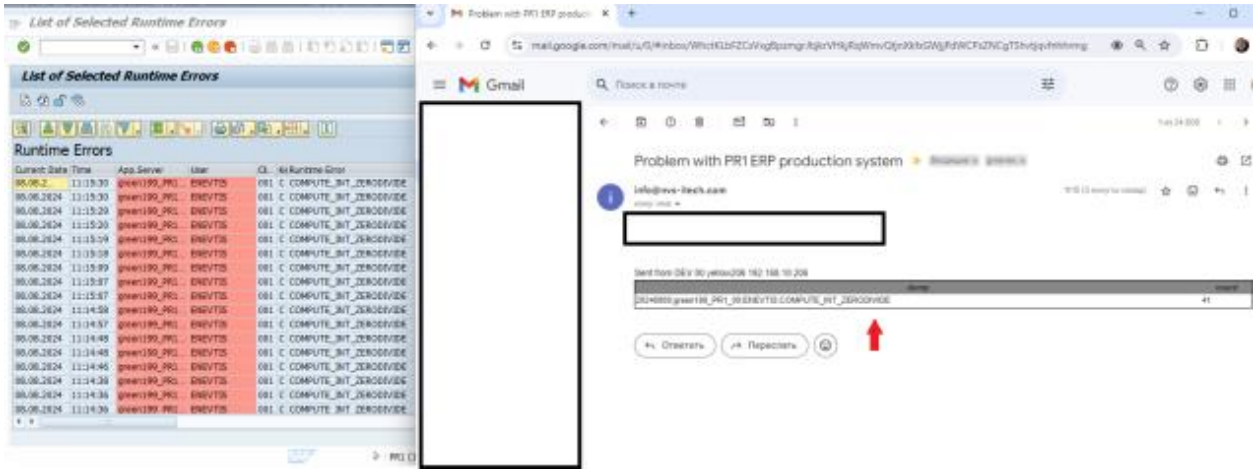
Finally, run the Z_NEMONITOR02 report in transaction SE38 as shown in the figure.

You can check the built-in help available at the link /help or by typing in the window

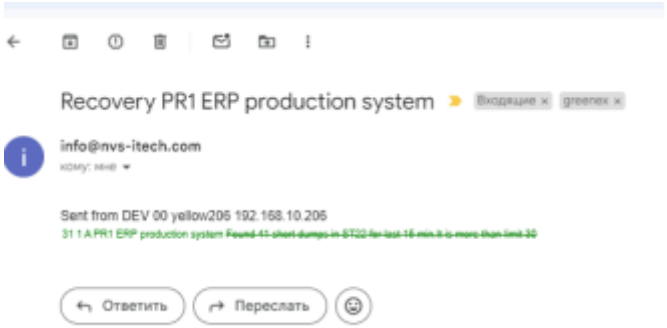
at the top left. Set the number of dumps to be greater than the default threshold of 30



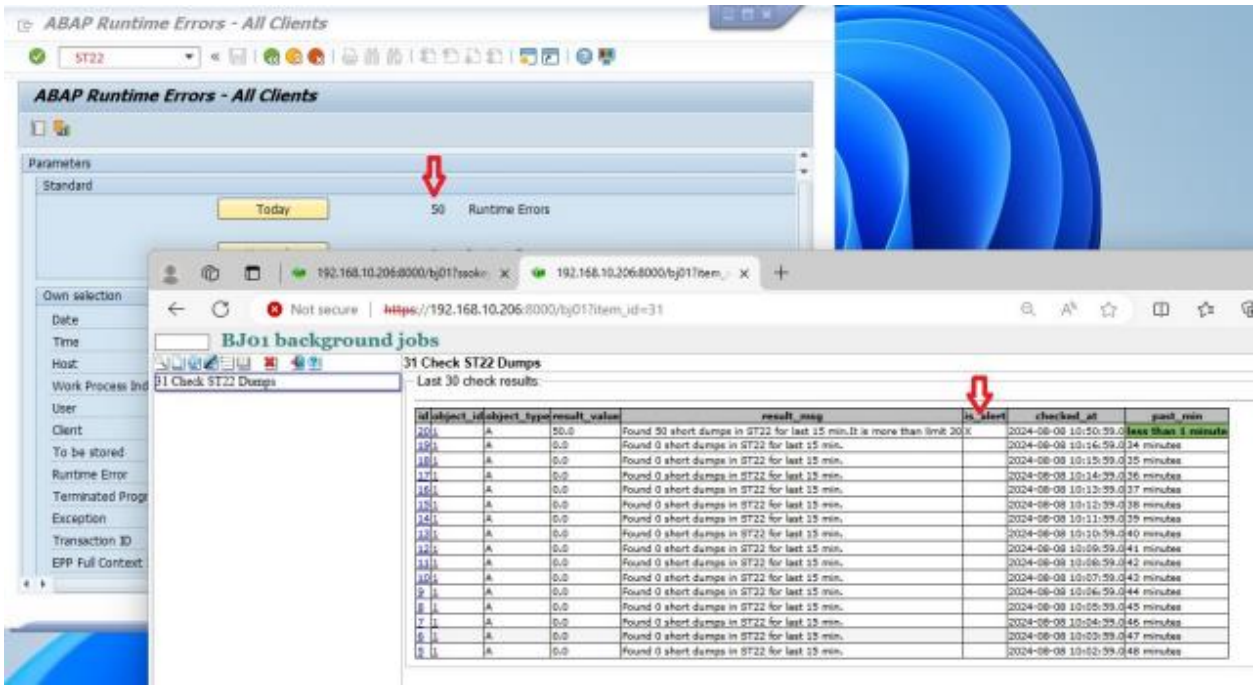
If all the settings are made correctly, after a while you will receive an email with an alert and a brief description of the dumps.



If the dumps have stopped, you will receive an email about the normalization of the situation.



The result of the problem detection can be seen in the job log in BJ01



Conclusion

This document provides a simple scenario for configuring amx monitoring in an SAP ABAP system, which provides an idea of the next steps needed to configure this type of report.

Thanks for choosing NVS Greenex