The first steps in NVS Greenex.

User Guide

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Introduction.

The NVS Greenex Monitor program is designed, as the name suggests, to monitor

mainly SAP and Oracle systems. Having in its composition "out of the box" a set of the most basic

After checking, it monitors key parameters by notifying administrators by mail.

There are 3 main types of checks:

• Operating system level: the status of disks, RAM, and CPU.

• Database level: for SAP HANA, this is the state of memory, backups, and size.

• SAP ABAP application Server level: SM50 process busy , ST22 errors, the SM13 update mechanism.

In turn, reports can be conditionally:

• Trigger

• Statistical

The first ones track one numeric parameter and when the limit is exceeded, they generate a letter about

the excess by mail.

The latter collect various multifactorial statistics without analyzing any excess and

are intended for regular reporting of the system status.

To deliver the results of the second type of reports, it is necessary to plan a separate

mail distribution task, which in tabular form will generate letters for end

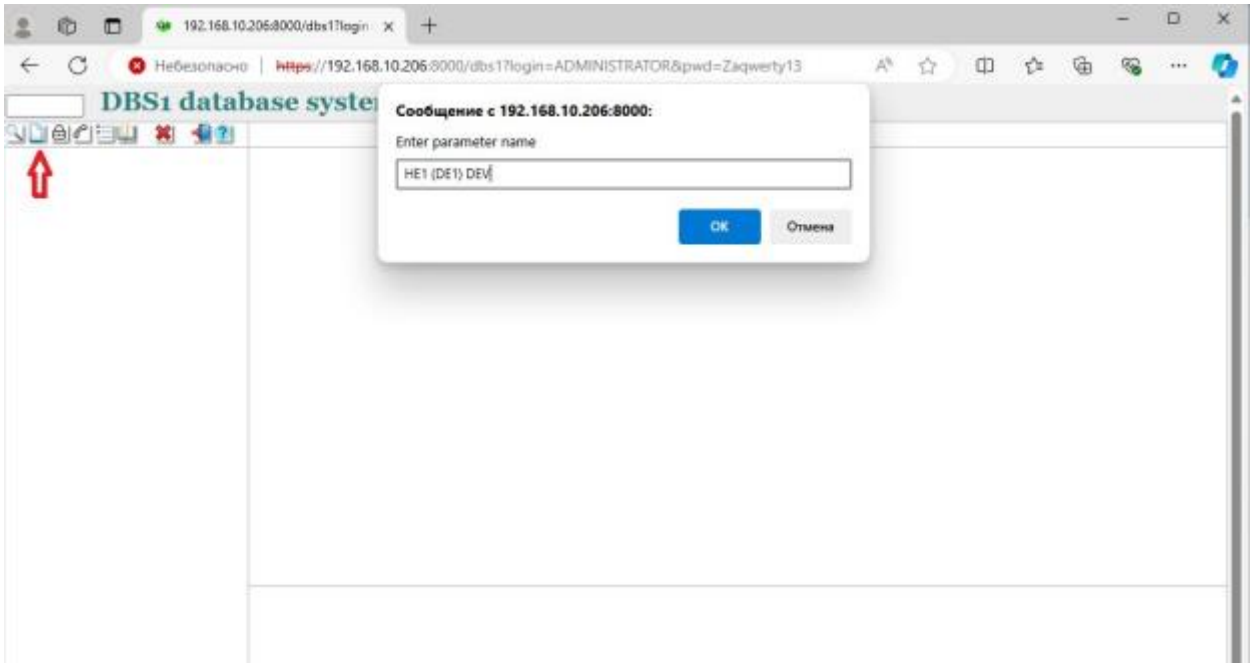
users.

You can find more detailed information in the User's Instructions on the website www.nvs itech.com

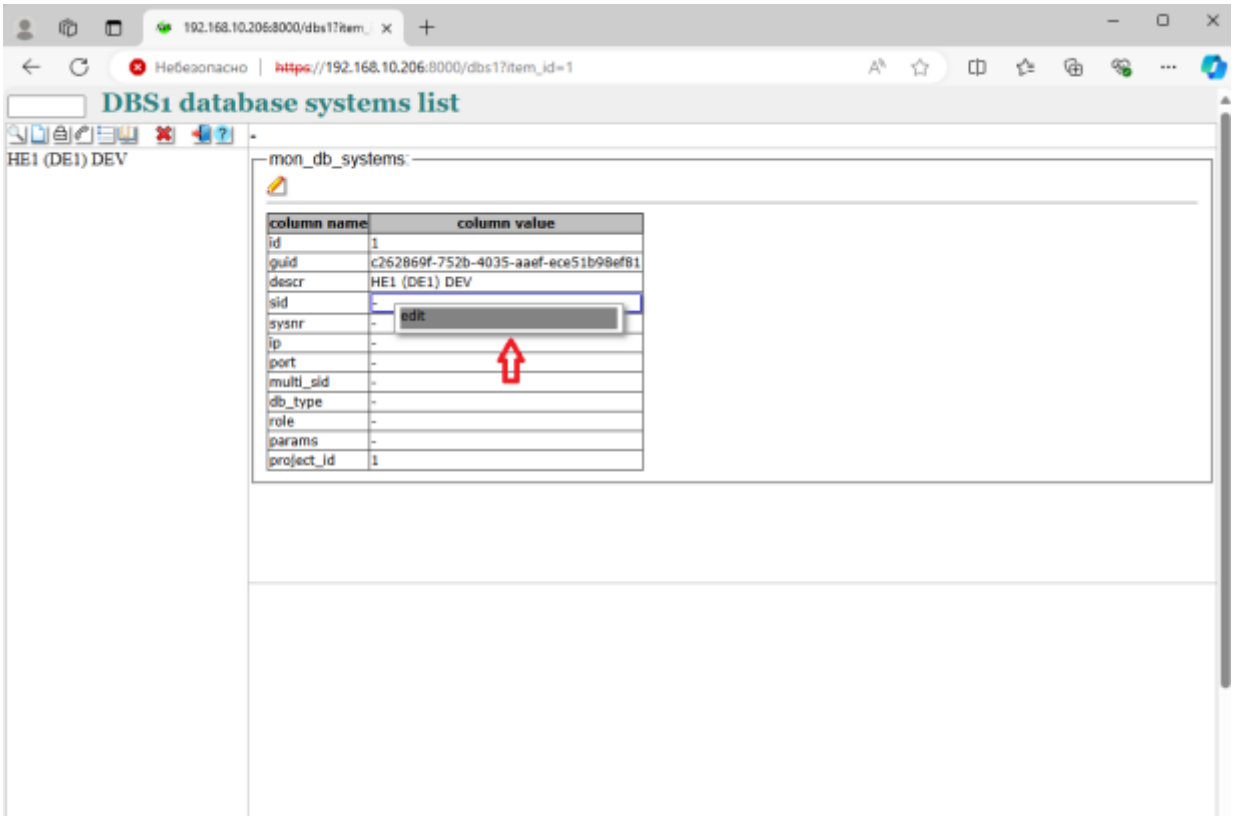
The first example.

Planning an information report on the state of SAP HANA memory.

Creating a record for the database. In the DBS1 transaction, use the button bar at the top left of the screen to create a new entry in the list of databases to monitor



Use the context menu to edit the parameters



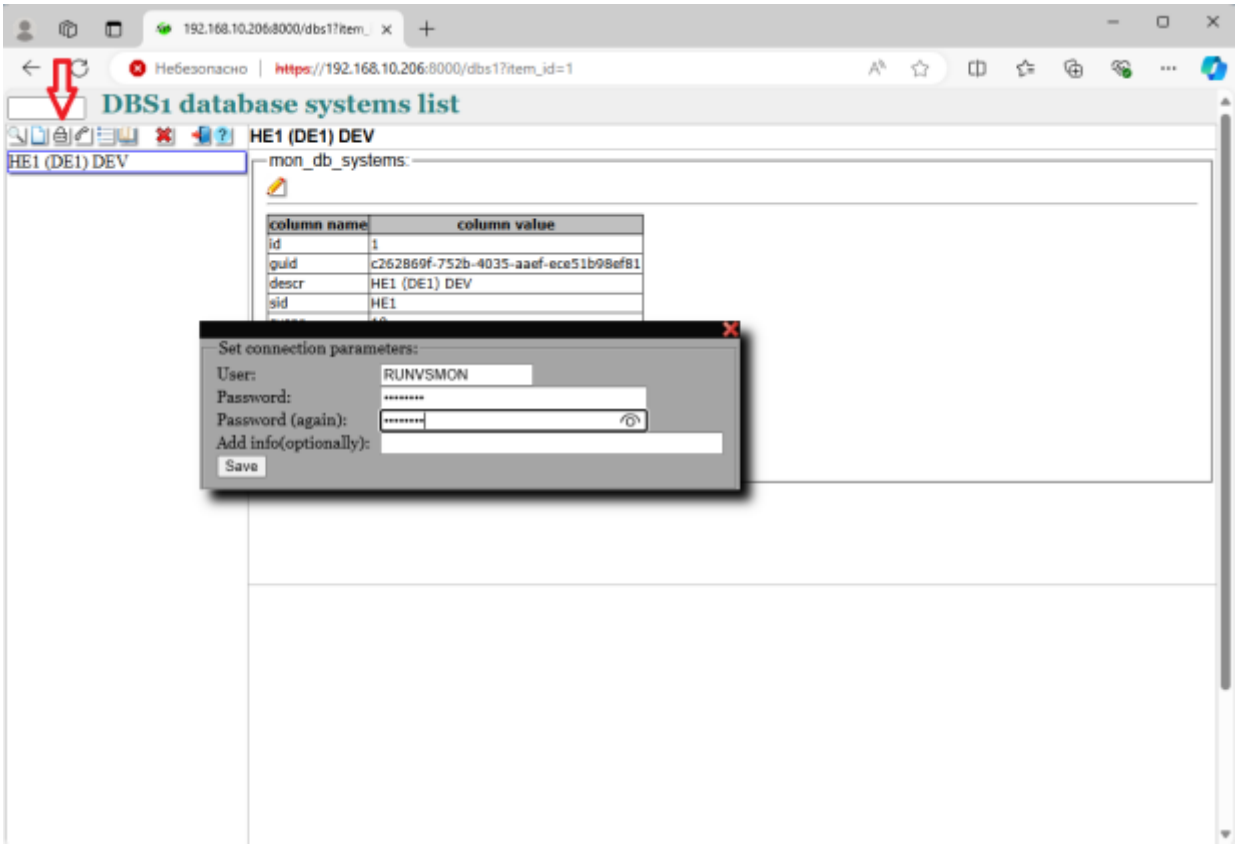
Create a user to connect to the database.

To do this, use SAP HANA Studio to connect to the tenant under the SYSTEM user and

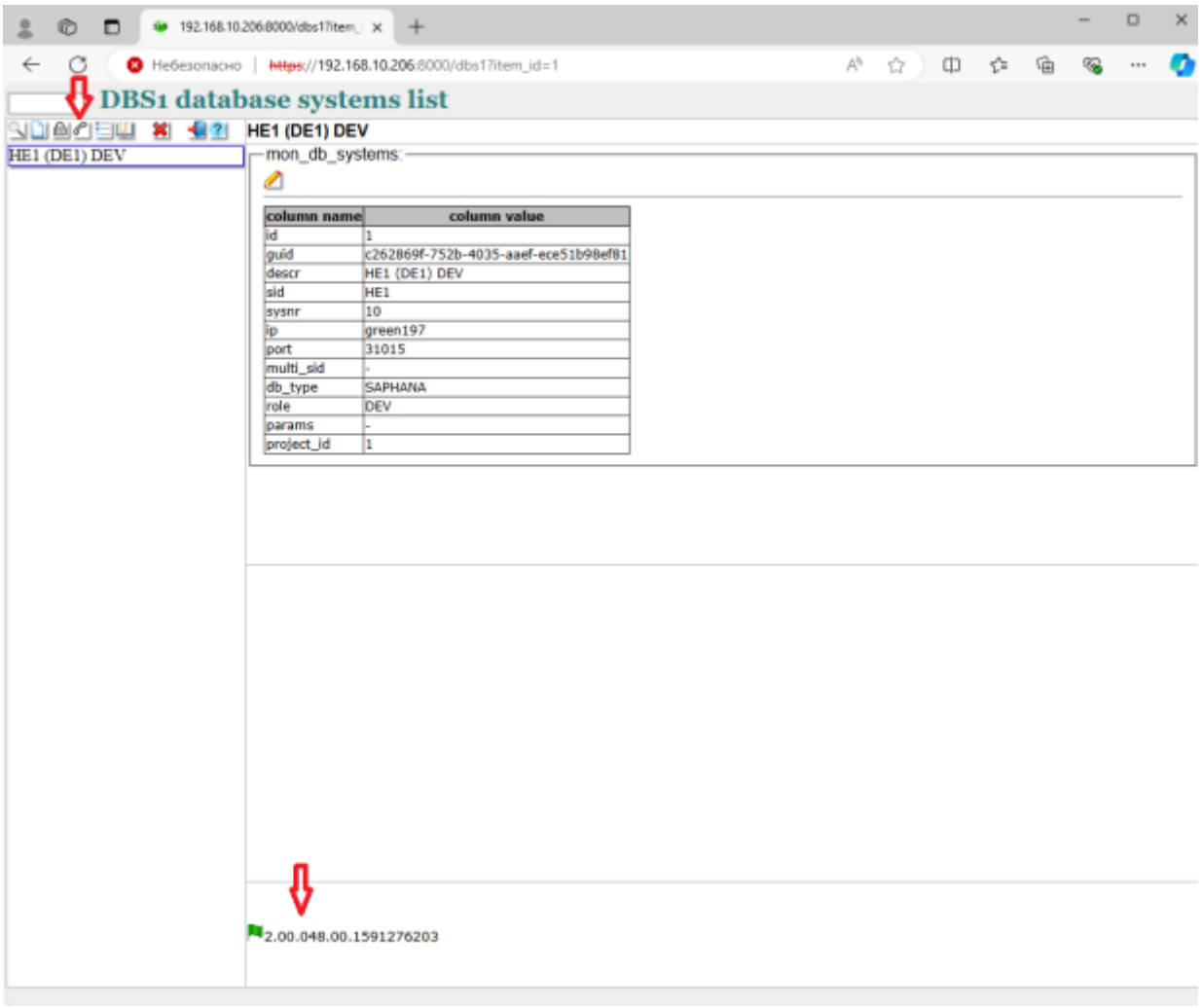
execute the SQL script, without forgetting to change the username / password to the current ones :

```
CREATE USER RUNVSMON PASSWORD "Init1234" NO FORCE_FIRST_PASSWORD_CHANGE VALID
FROM NOW UNTIL FOREVER;

ALTER USER RUNVSMON DISABLE PASSWORD LIFETIME;

GRANT MONITORING TO RUNVSMON
```

Next, enter the appropriate data in DBS1:



Check the connection, if successful, you should see a green flag and the database version.

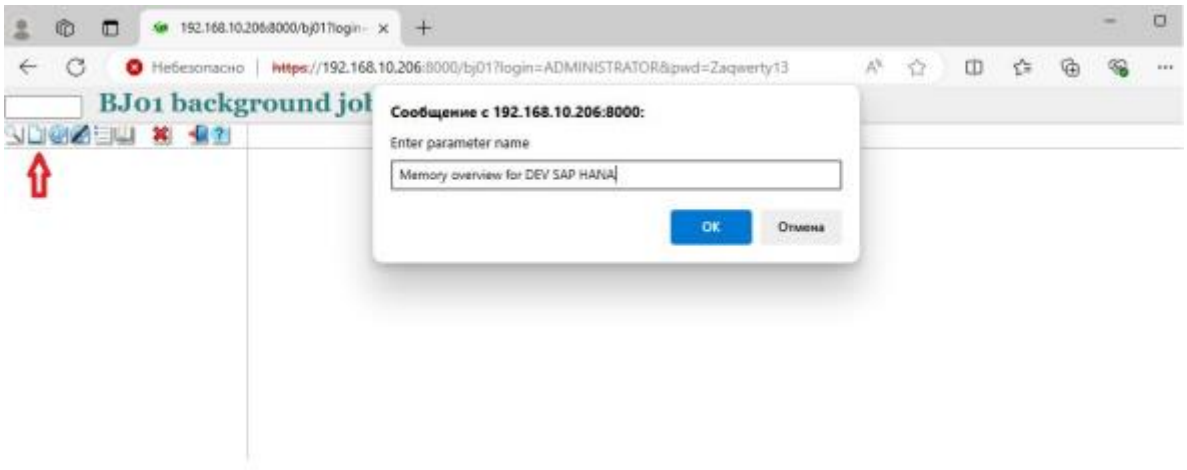


Scheduling a background task to collect statistics from memory.

This task (background job) will collect information by querying databases and writing

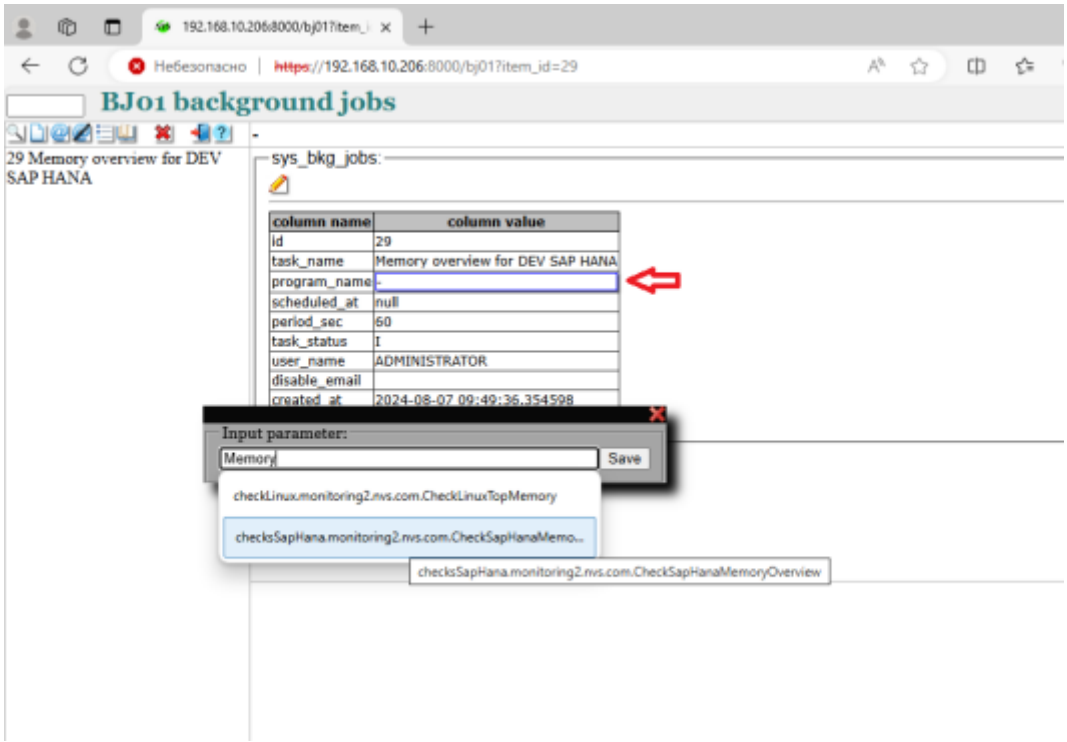
the response to the monitoring table. In this example, we will limit ourselves to just one database.

Select the report type CheckSapHanaMemoryOverview . To find out the full list, see the table of contents.

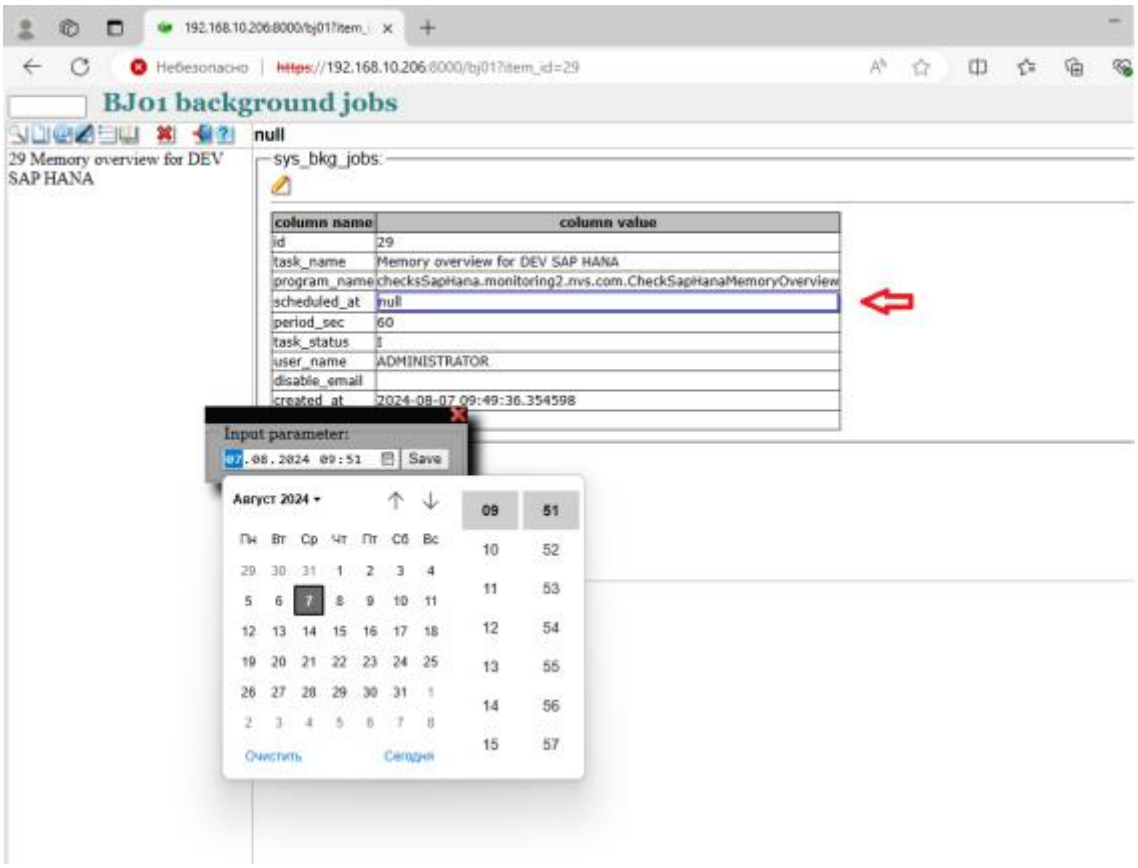


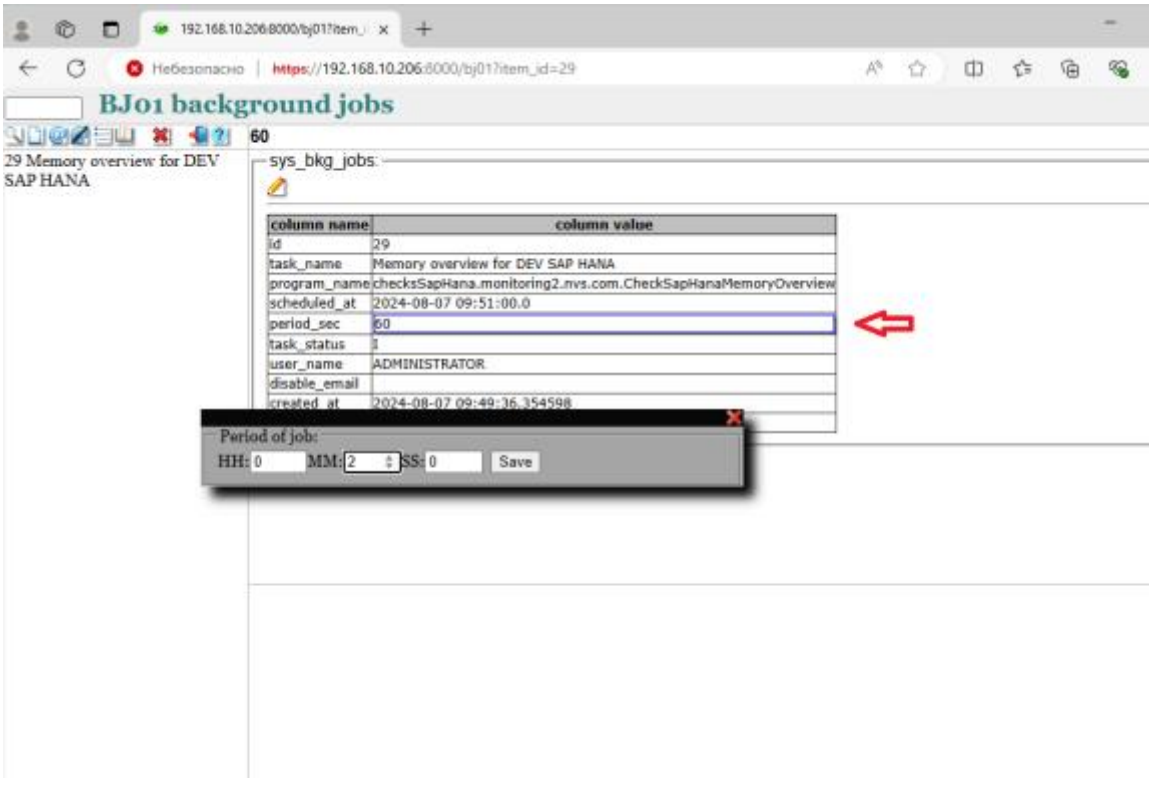
Enter the full name of the report. In our case, this is

checksSapHana.monitoring2.nvs.com.CheckSapHanaMemoryOverview

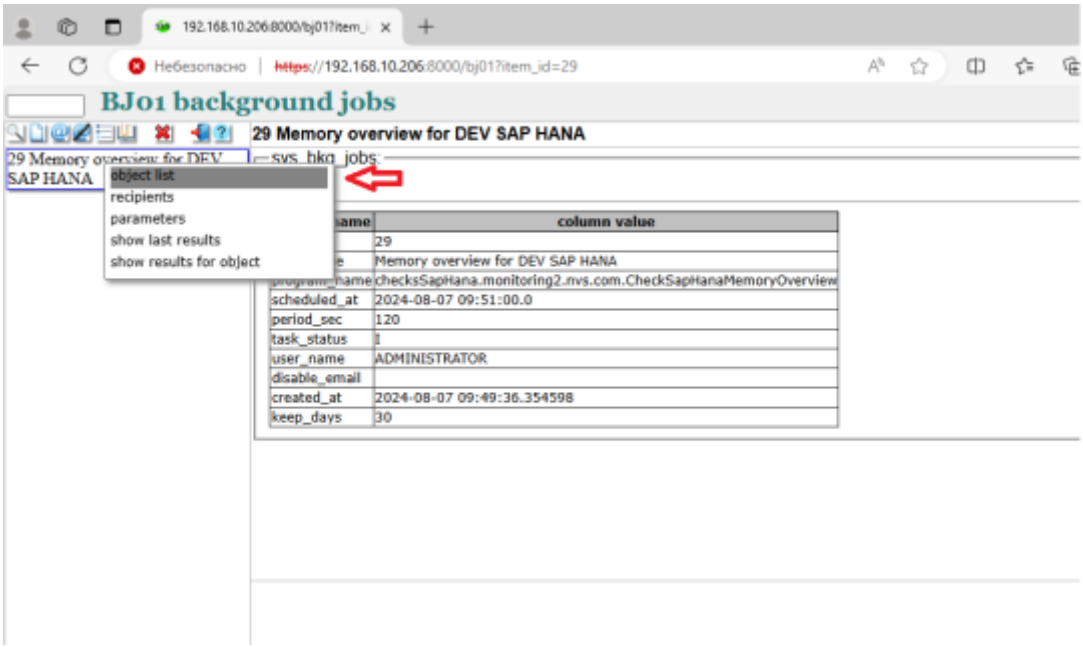


Specify the start time and the frequency of the task.





A list of the systems to be checked is required for each check. Specify the database that was created earlier



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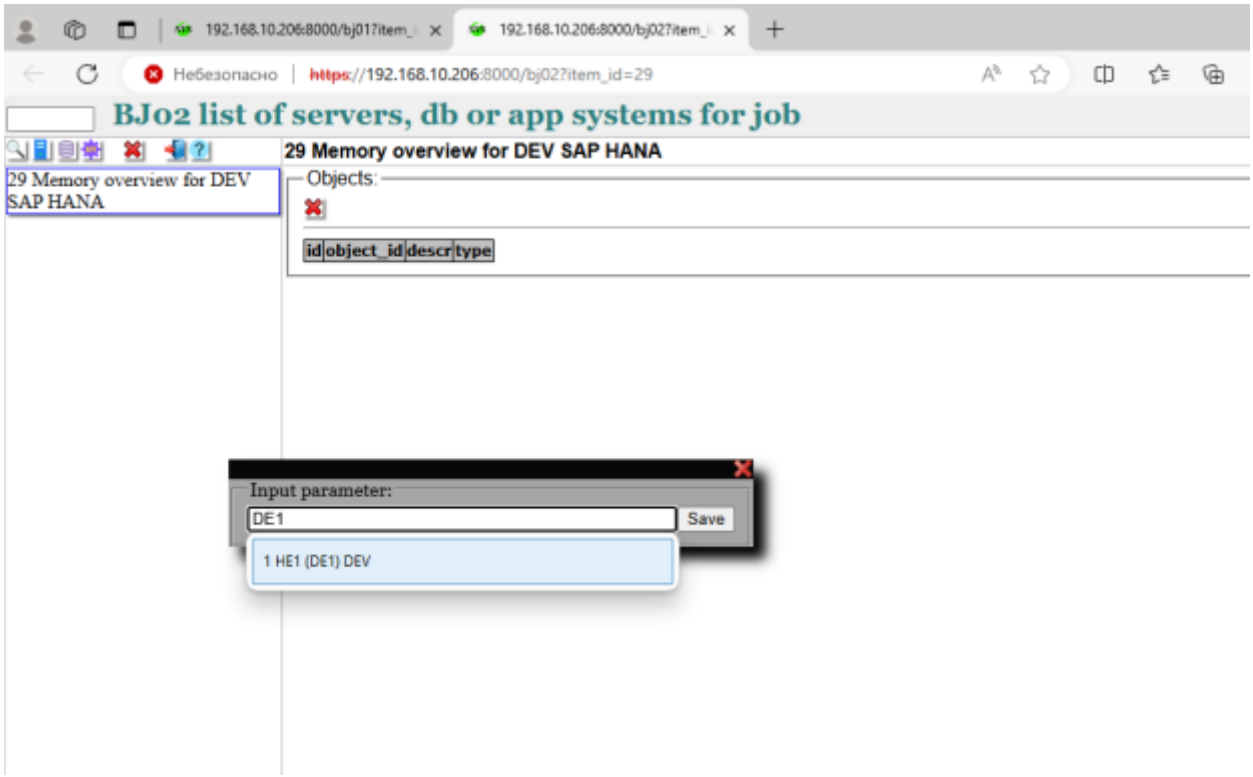
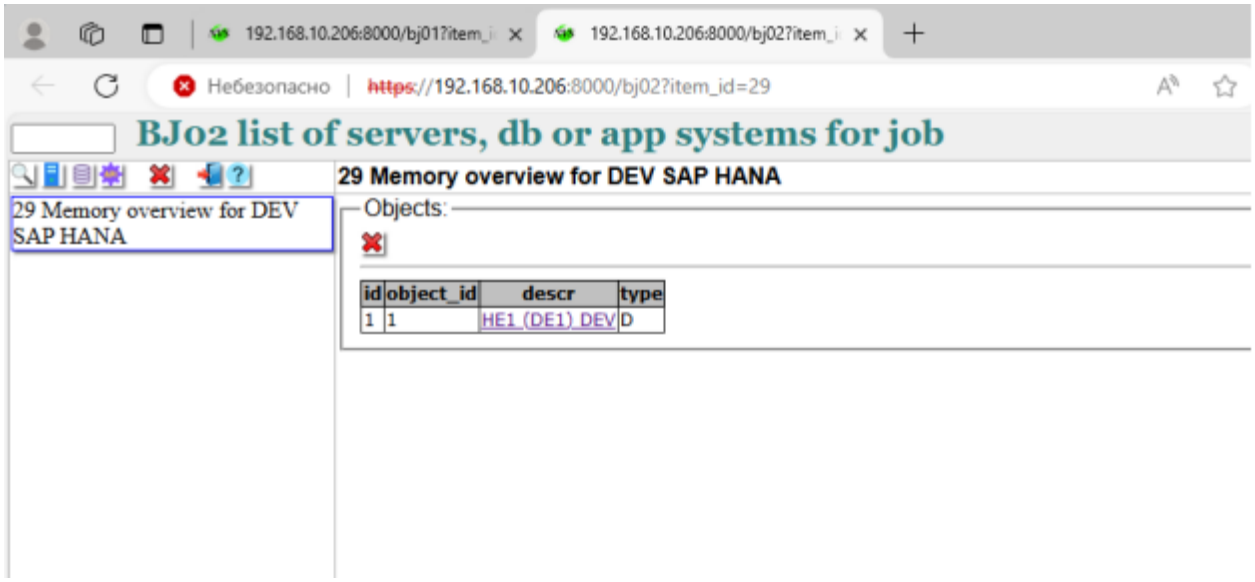
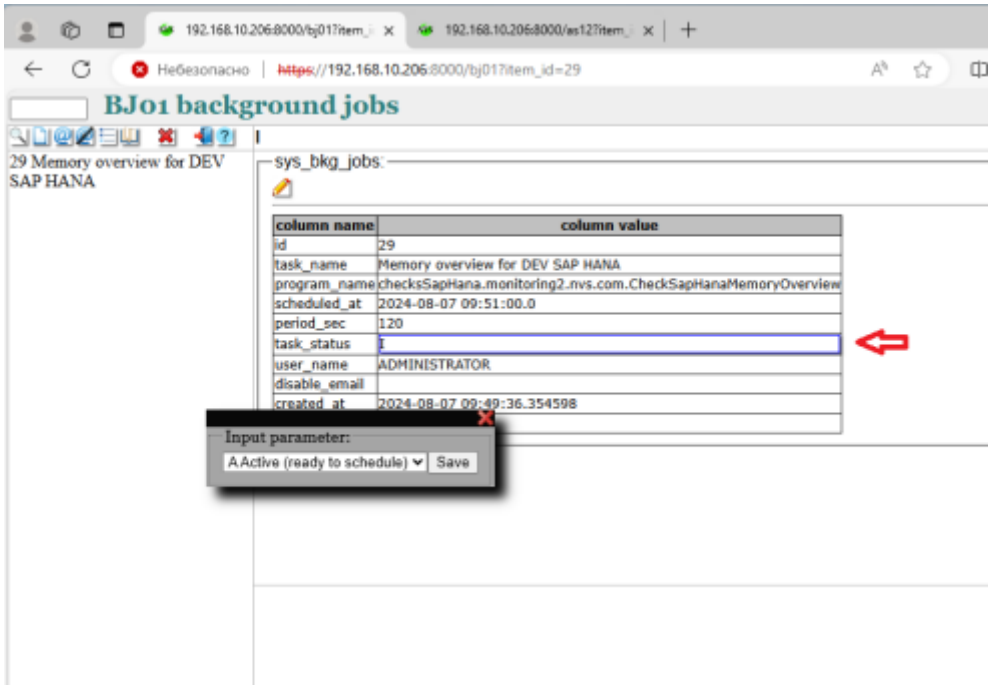
The link will take you to the BJ02 transaction where you can add the necessary database.

Use the context menu or the buttons on the taskbar at the top left



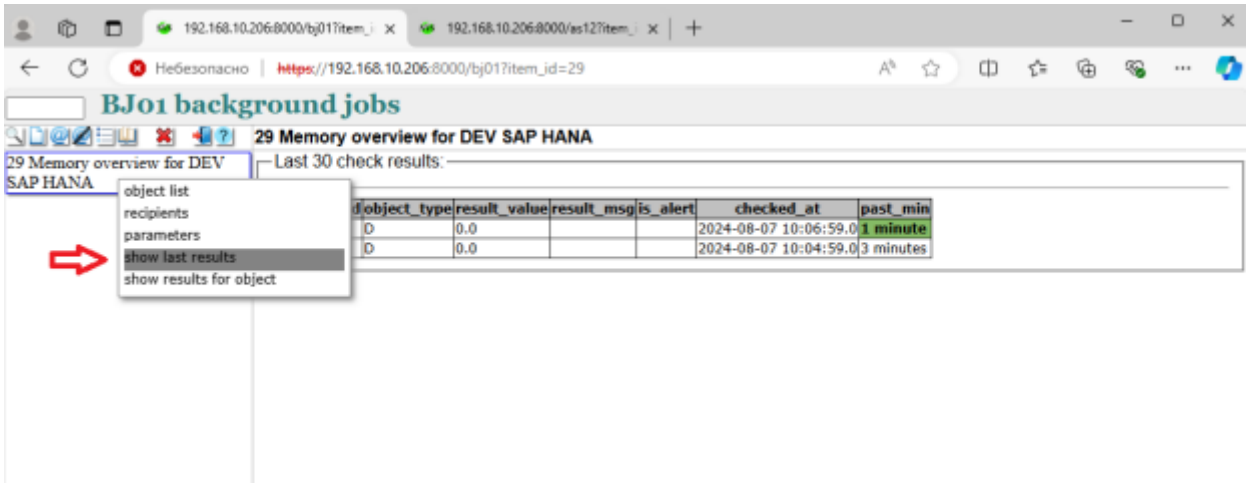


Immediately after the job is created, its status is set to "I", which means initial. Change the status to A – active so that the task starts its work. To stop, the status is D – deactivate

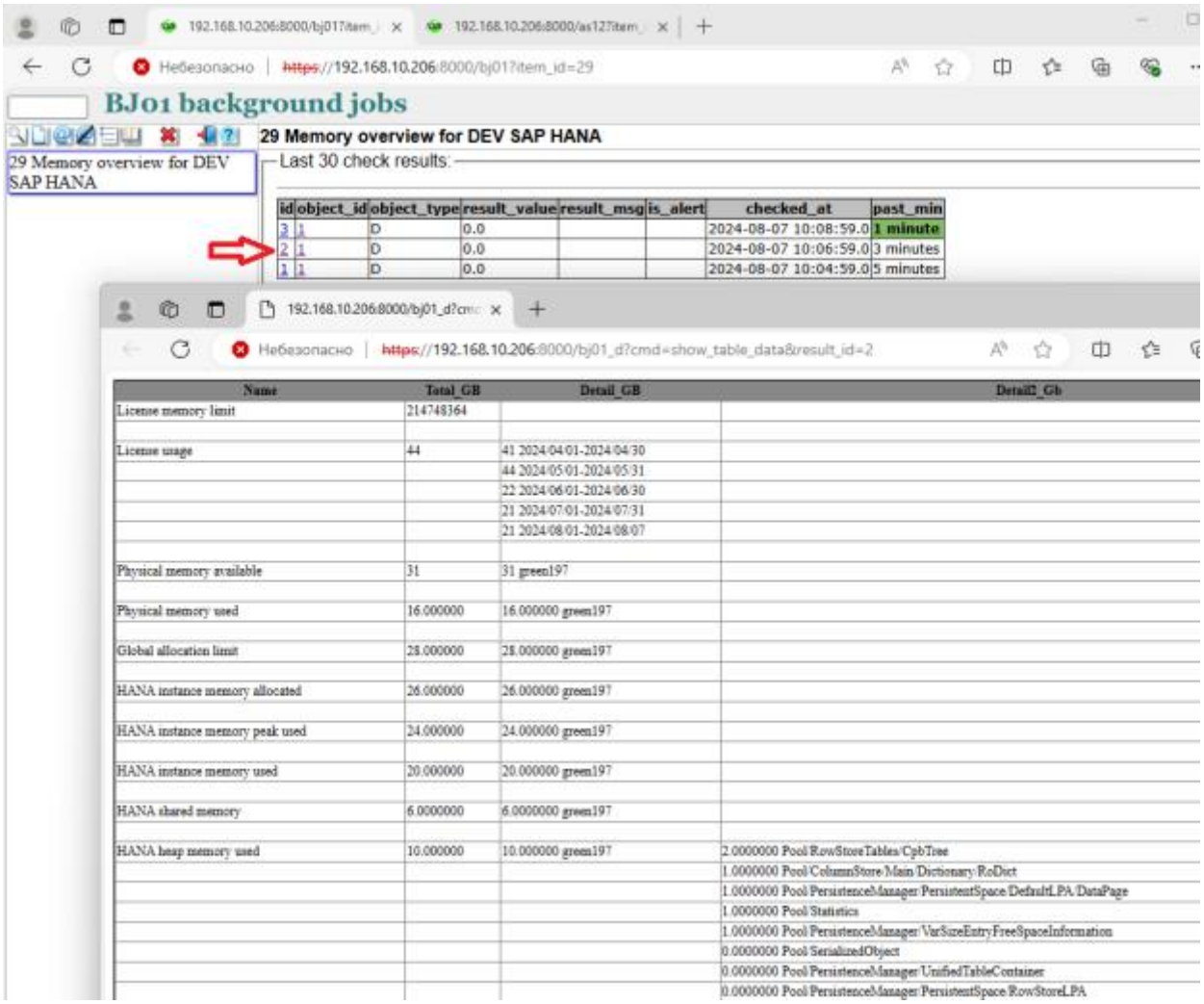


After the task runs according to the schedule, check the result:

the green background on the task means that the elapsed time since the last execution does not exceed the period. In other words, there is no delay in the schedule



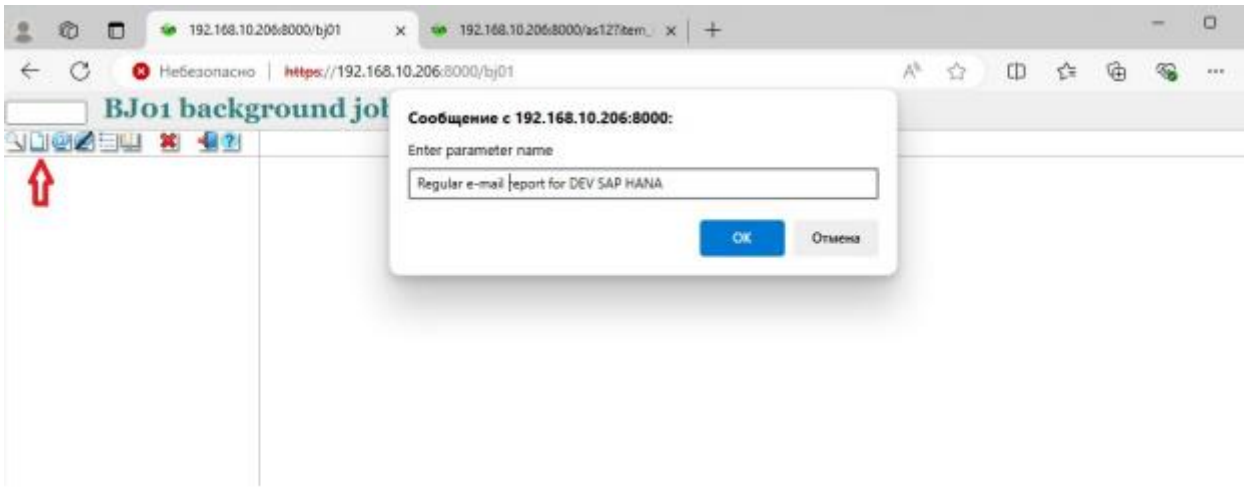
The monitor records the result of the check in tabular form and you can check the data directly from the BJ01 transaction

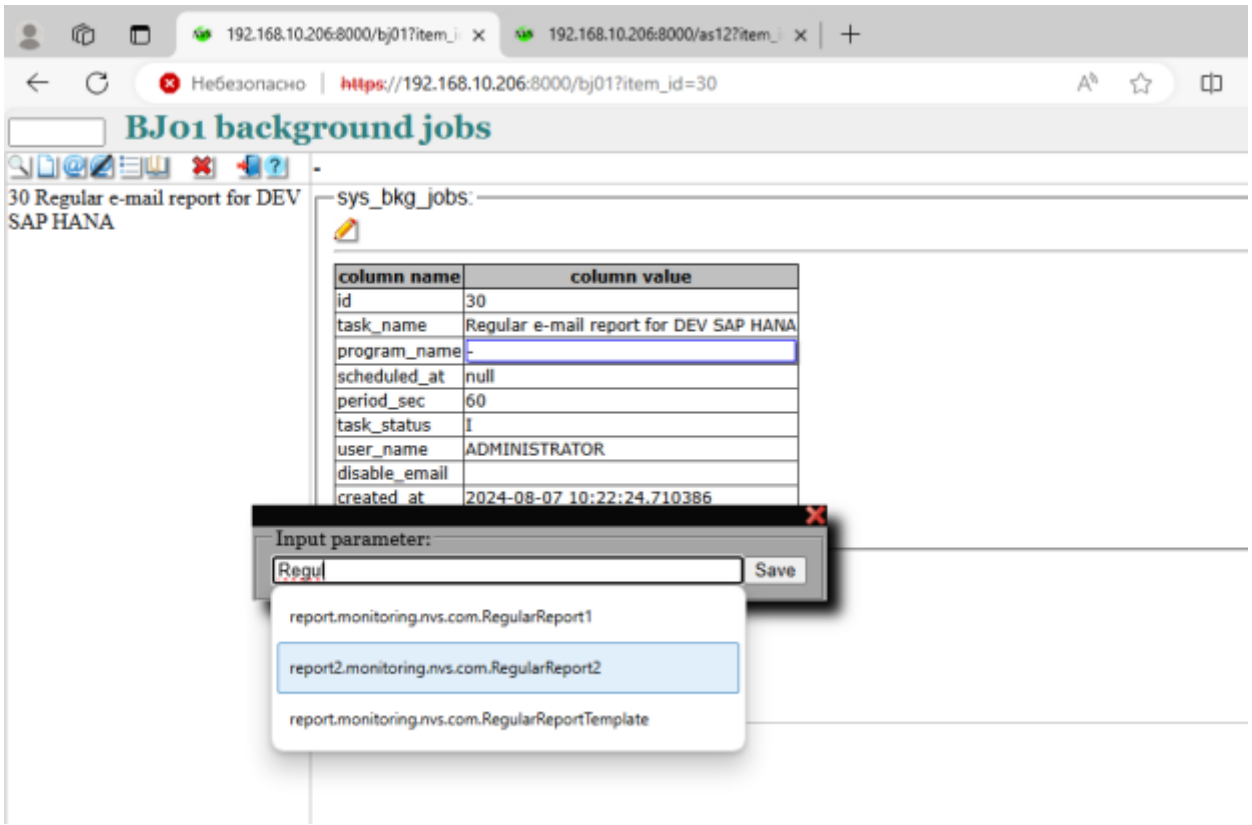


Scheduling a task to send a report by mail.

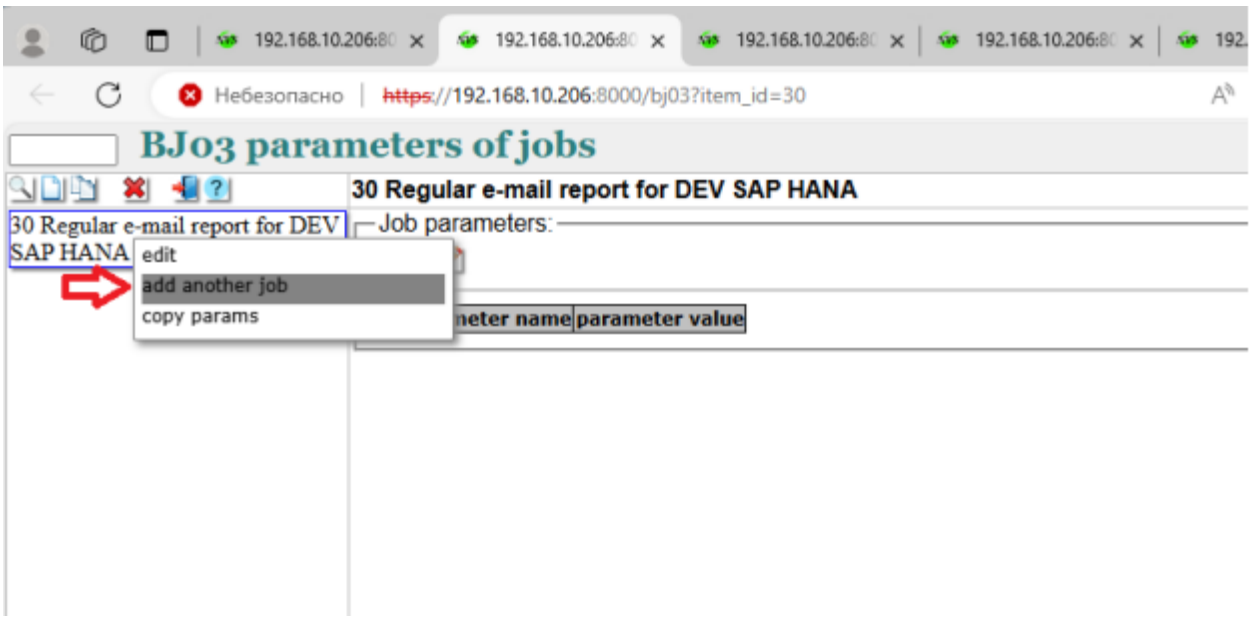
As mentioned above, the report checksSapHana.monitoring2.nvs.com.CheckSapHanaMemoryOverview is a type of statistics and does not generate alerts. To deliver the results of his work, we will create a new regular background task of the type report 2.monitoring.nvs.com.Regular Report 2 .

It scans the most recent results of other jobs and sends them in tabular form by mail.

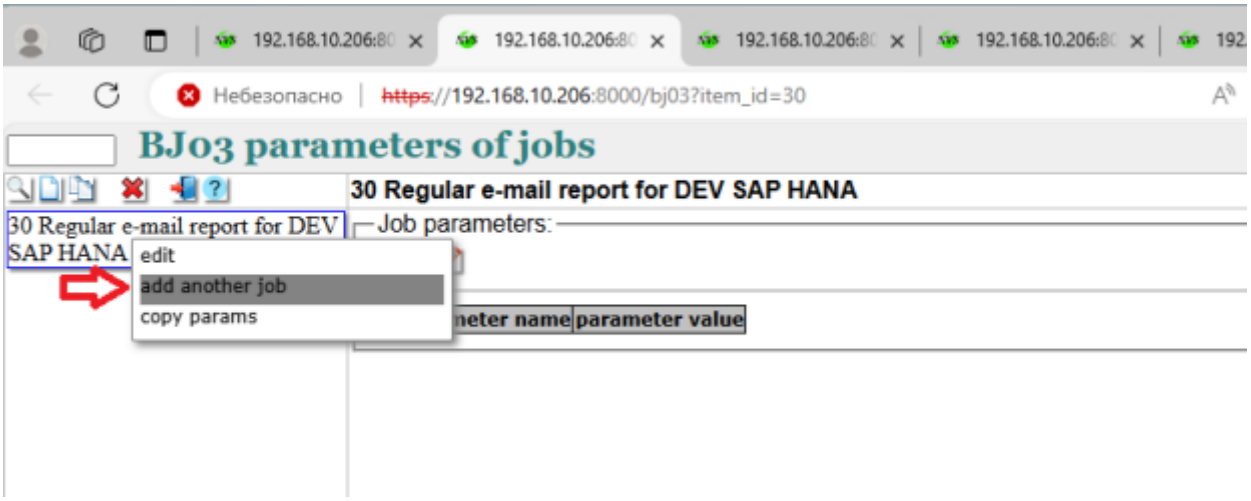




We will indicate which results to include in the regular report: we will add our previous job to the list.

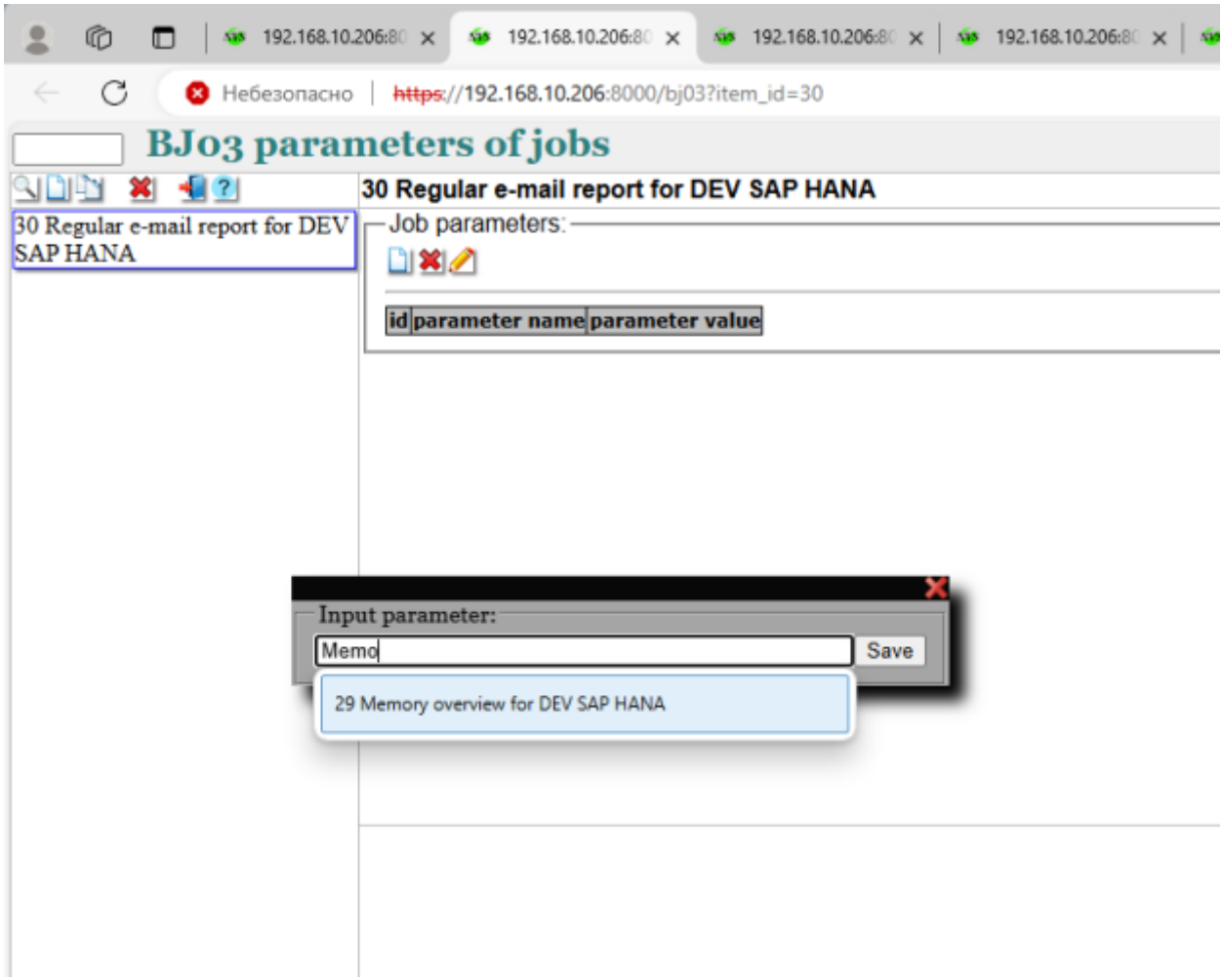


We follow the link to the BJ03 transaction

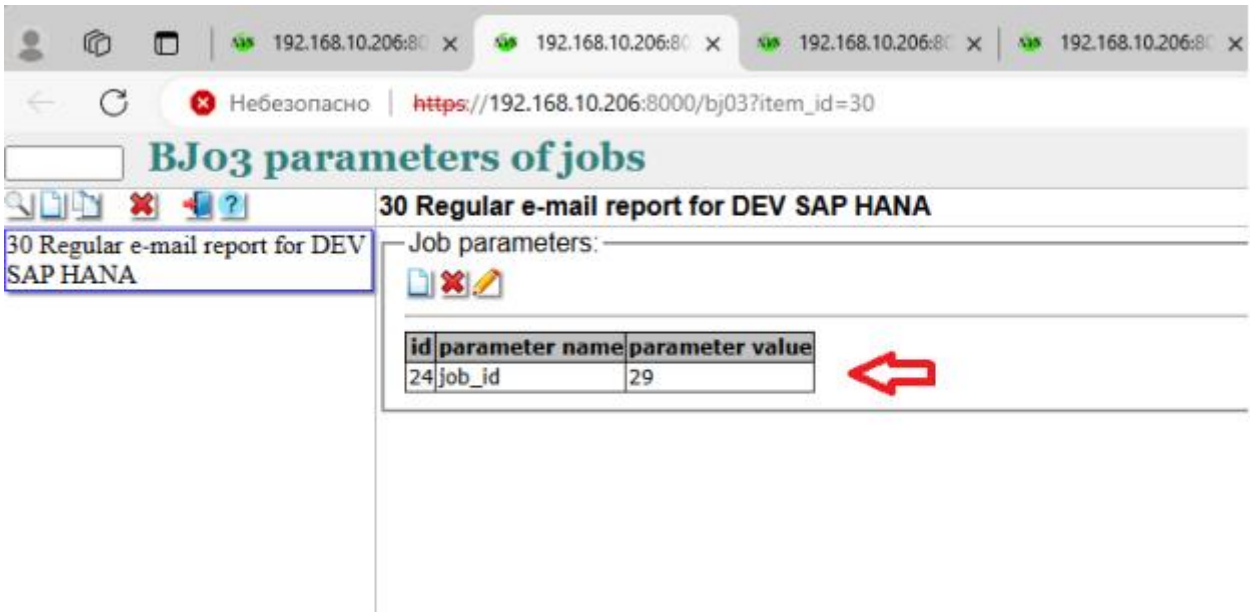


We add a job created earlier: it is his result that the monitor will send by mail.

Many systems can be included in one report, but for now we will limit ourselves to a single one.

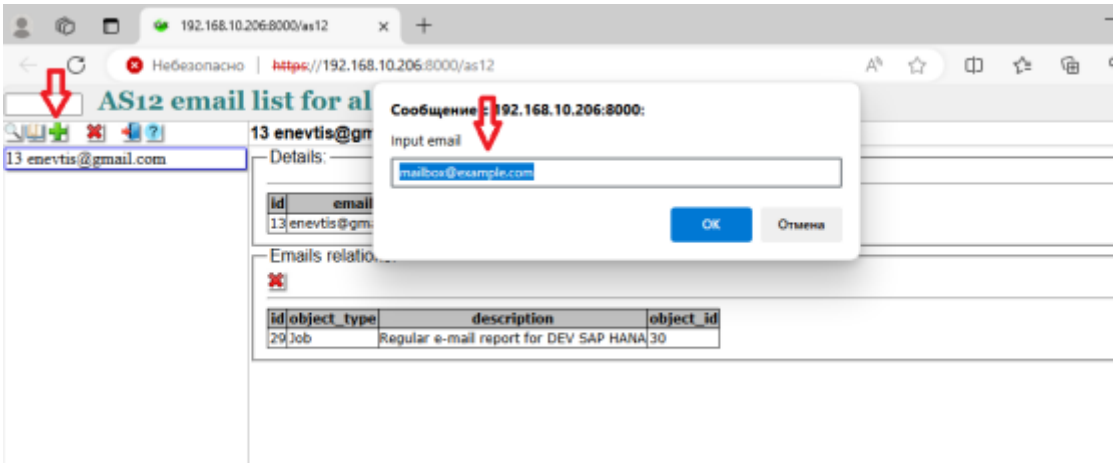


Now the mail report will send job data based on the state of SAP HANA memory.

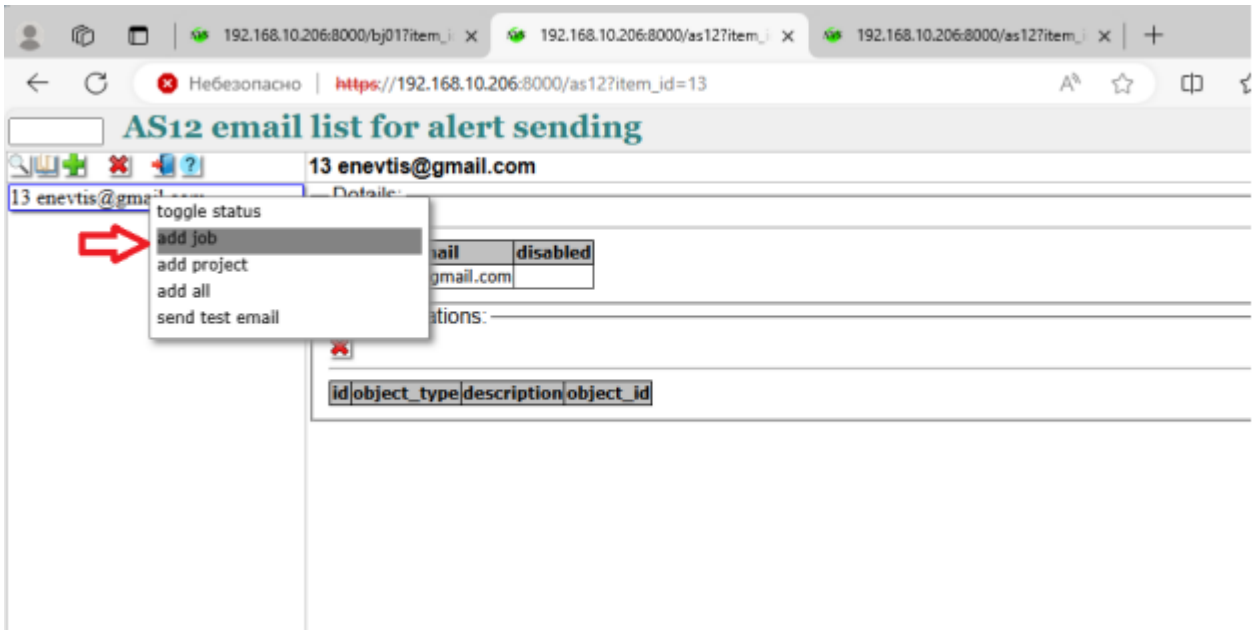


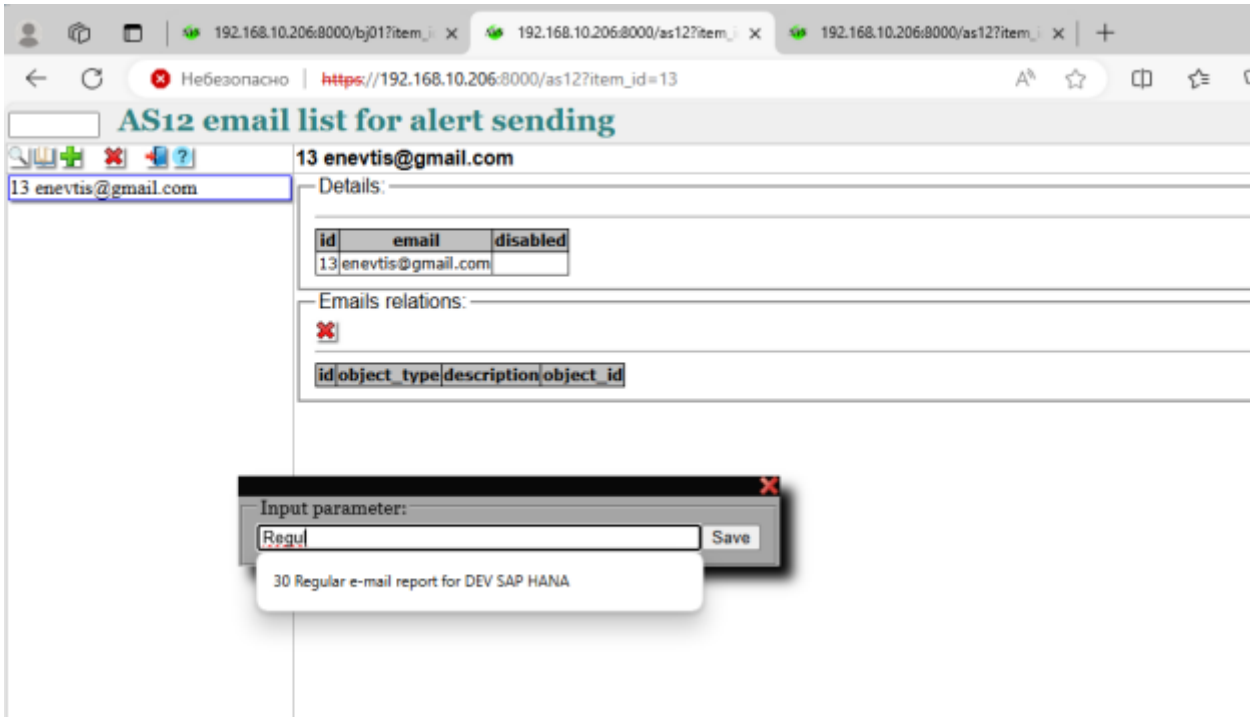
Adding mailing list recipients

The program must know who to send emails to, so we will specify the current email address in the AS12 transaction



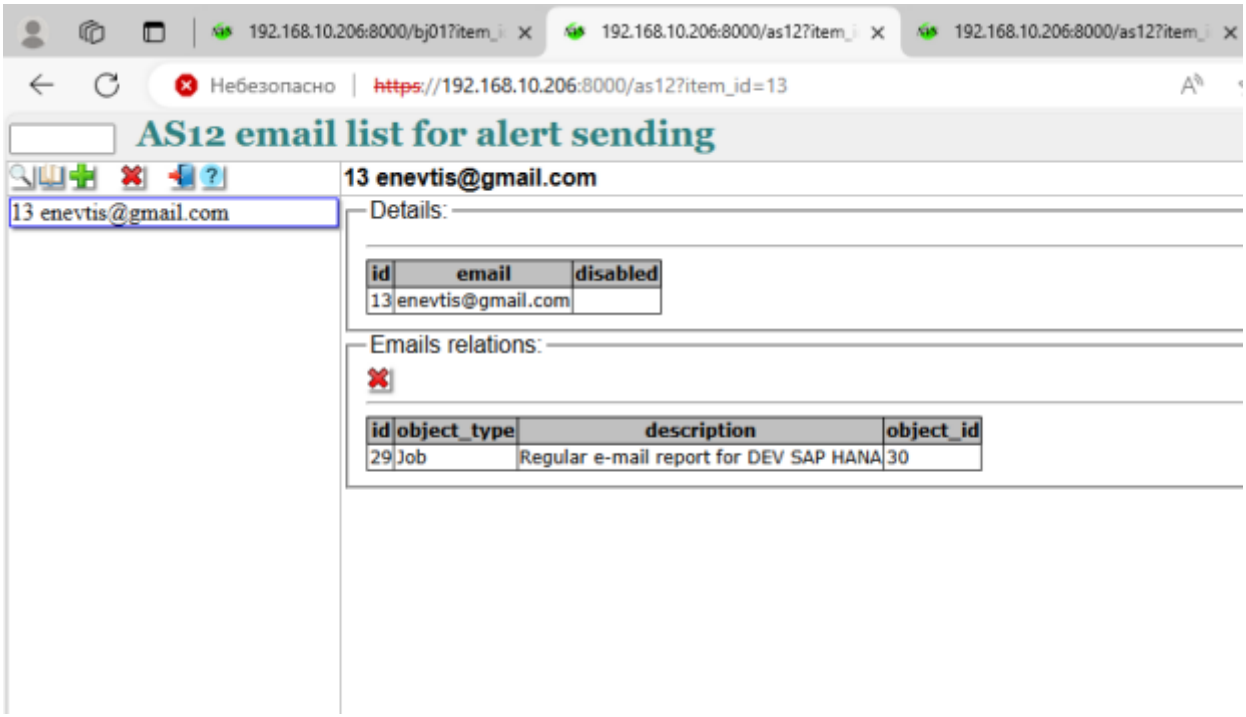
Now specify that the emails for the previously created job will be sent to the added address





This is what it will look like in the end : to the address enevtis@gmail.com letters on report No. 30 will be sent

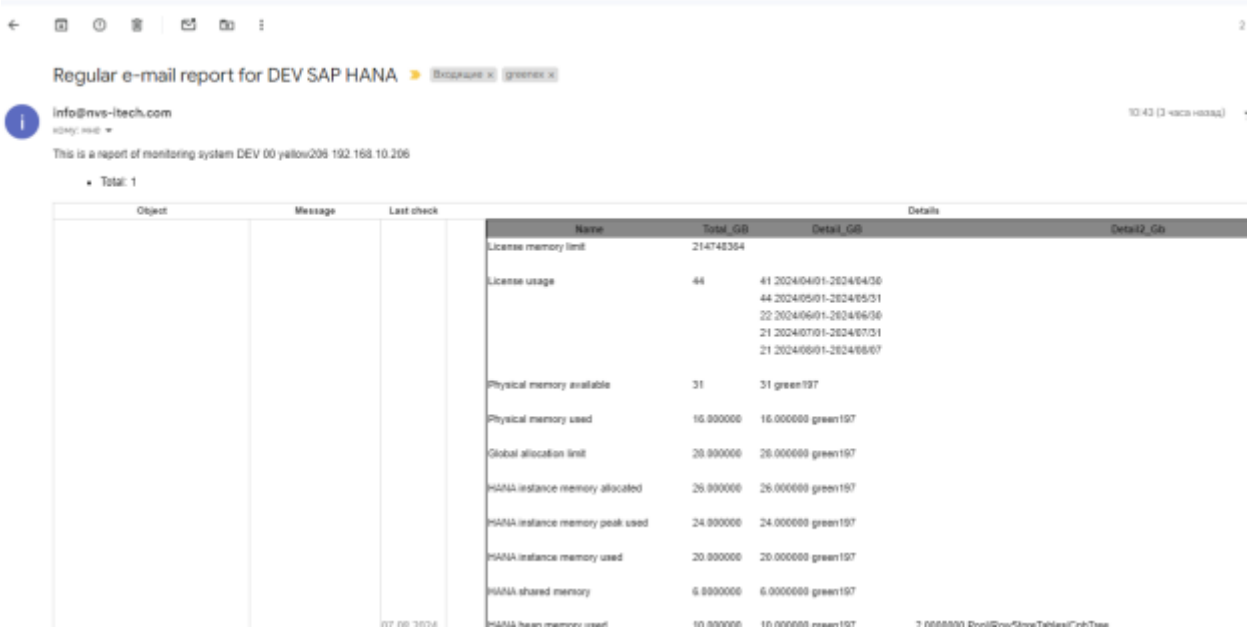
Regular e-mail report for DEV SAP HANA



Checking the results

After the release of the task in BJ01, by setting the status to A-active according to the schedule

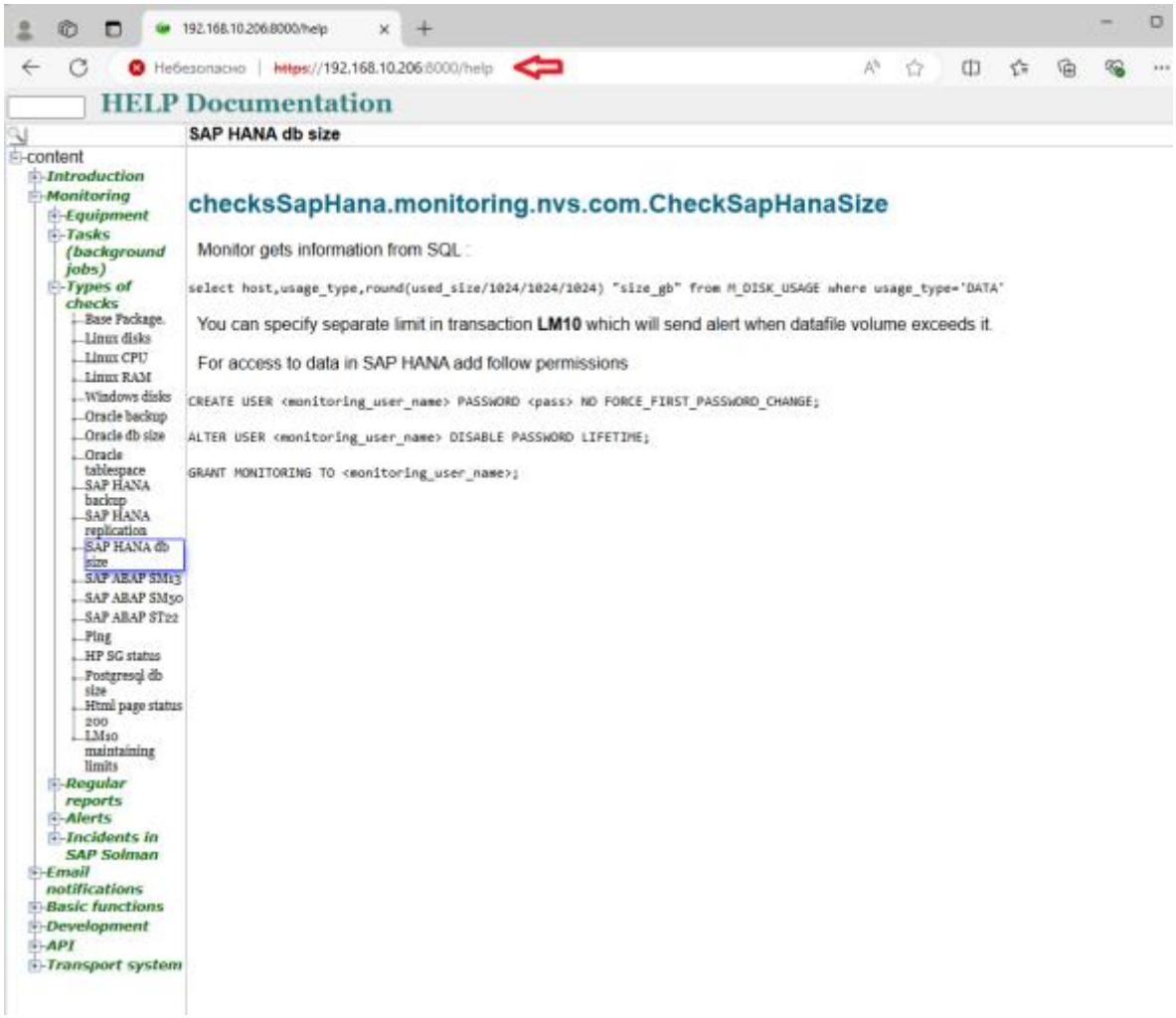
, an email with a memory status report for the system should be sent to the specified email

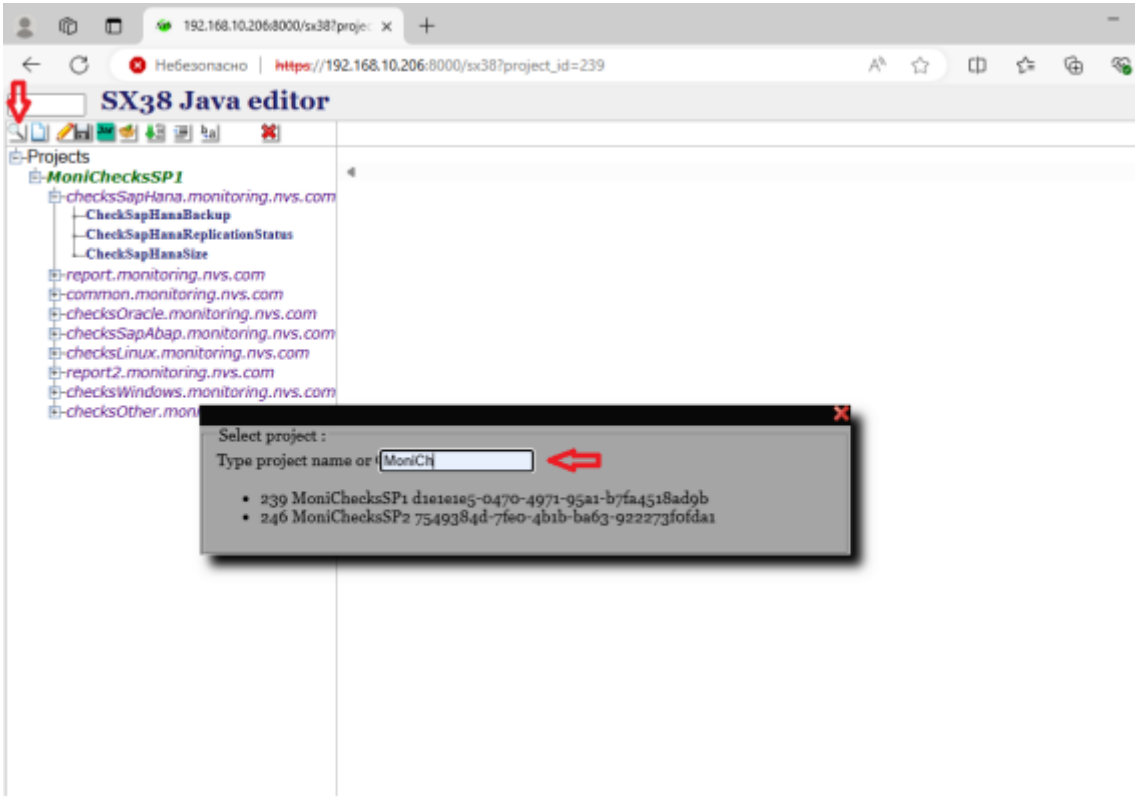


How to see the full list of checks

You can get the data in the built-in help, or see it directly in

the SX38 code editor. The latter will show all the modules installed in the system

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SX38 Java editor
Projects
MoniChecksSP1
checksSapHana.monitoring.nvs.com
CheckSapHanaBackup
CheckSapHanaReplicationStatus
CheckSapHanaSize
report.monitoring.nvs.com
common.monitoring.nvs.com
checksOracle.monitoring.nvs.com
checksSapAbap.monitoring.nvs.com
checksLinux.monitoring.nvs.com
report2.monitoring.nvs.com
checksWindows.monitoring.nvs.com
checksOther.mon
Select project :
Type project name or
MoniCh
239 MoniChecksSP1 d1e1e1e5-0470-4971-95a1-b7fa4518ad9b
246 MoniChecksSP2 7549384d-7fe0-4b1b-ba63-922273f0fda1

Conclusion.

This guide describes the simplest scenario, which nevertheless gives an idea of the next steps needed to configure the NVS Greenex monitor.

You can add new types of checks included in the basic set, as well as develop new ones in the Java language. For more information, see the Developer's Guide.

For more information, use the user's instructions, the built -in help or materials on the developer's website.

Thanks for choosing NVS Greenex!