



Service Report

EarlyWatch®Alert

Confidential

SAP System ID	PR0
Product	SAP IBP OD 2111
Status	Productive
DB System	SAP HANA Database
Customer	

Analysis from	17.01.2022	Session No.
Until	23.01.2022	Installation No.
Processed by SAP		Customer No.

Authorized for SAP employees delivering SAP Services and Support, authorized partners, and customer employees.
Please forward to authorized recipients only.

1 Service Summary



**This EarlyWatch Alert session detected issues that could potentially affect your system.
Take corrective action as soon as possible.**

ALERT OVERVIEW

	Global configuration parameters for SAP IBP deviate from recommended values.
	Parameters for Microsoft Excel Add-In for SAP IBP deviate from recommended values.
	Outdated versions of Microsoft Excel Add-In for SAP IBP are in use.
	Purge job scheduling for SAP IBP does not conform to SAP recommendations.

Note: If you send SAP EarlyWatch Alert data to SAP, this report can also be viewed in the SAP ONE Support Launchpad in an interactive SAP Fiori application [SAP Note 2520319](#). Here is the link to the latest reports for this system: [SAP EarlyWatch Alert Workspace](#)

Specific links to analytical detail pages in SAP EarlyWatch Alert Workspace are included in the respective sections or in this report.

CHECK OVERVIEW

Topic Rating	Topic	Subtopic Rating	Subtopic
	SAP IBP Checks		
			Configuration Parameters - General
			Configuration Parameters - Integration
			Configuration Parameters - S&OP
			Configuration Parameters - Demand
			Configuration Parameters - Supply
			Model Configuration - Data Volume Limit on Time-Series Entries
			Excel Add-In Parameters
			Excel Add-In Version
			Data Lifecycle Management - Purge Operator

Note: All recommendations in this report are based on our general experience. Test them before using them in your production system. Note that EarlyWatch Alert is an automatic service.

Note: If you have any questions about the accuracy of the checks in this report or the correct configuration of the SAP Solution Manager EarlyWatch Alert service, create a customer message under component SV-SMG-SER-EWA.

Note: If you require assistance to resolve concerns about the performance of the system, or if you require a technical analysis of other aspects of your system as highlighted in this report, please contact your customer representative (for example, TQM or ESA). To contact the SAP Enterprise Support advisory team or Customer Interaction Center, please refer to the local contact number specified in [SAP Note 560499](#). For details of how to set the appropriate priority level, see [SAP Note 67739](#).

2 Landscape

2.1 Products and Components in current Landscape

PRODUCT


System	SAP Product	Product Version
PR0~ABAP	SAP IBP OD	2111

MAIN INSTANCES (ABAP OR JAVA BASED)

Related System	Main Instance
PR0~ABAP	IBP Server





3 SAP Integrated Business Planning Checks for PR0

Rating Summary



Issues were detected that could potentially affect the performance of IBP. Review this section carefully and implement our recommendations.

RATING SUMMARY

Rating	Section
	Global Configuration Parameters
	Model Configuration
	IBP Excel Add-In
	Data Lifecycle Management

3.1 Global Configuration Parameters

In the Global Configuration app, you set values for the parameters that control various features of the IBP applications. SAP delivers default values for some global configuration parameters. You can change the default value based on your business requirements. Nevertheless, some are critical and should not be changed.


For more information you can go to [Global Configuration Parameters](#). The tool there gives details of all IBP parameters and allows you to search by group, name, default value and other criteria.

Based on checks regarding the global configuration parameter of your IBP system, the configuration is not as recommended by SAP. To ensure system stability, you should check these with the business and take corrective action.

3.1.1 General

The values of the parameters are not as recommended by SAP, please correct them if possible.

IBP GLOBAL CONFIGURATION PARAMETERS

Rating	Parameter Group	Parameter Name	Current Value	Recommended Value
	MASTER_DATA_OP	MAX_BATCH_SIZE	2000000	1 - 10000



Parameter MASTER_DATA_OP MAX_BATCH_SIZE

This controls the number of master data records that can be downloaded to the IBP Excel add-in. The default value is 10,000. A Yellow rating is assigned for values between 10,000 - 100,000 because working with larger downloads can have a negative impact on performance. A red rating is assigned to values over 100,000. For more information about this parameter please read SAP Knowledge Base Article [2437063](#) 'IBP: Master Data Download Recommendations for Excel'.

3.1.2 Integration

The values of the parameters are not as recommended by SAP, please correct them if possible.

INTEGRATION PARAMETERS

Rating	Parameter Group	Parameter Name	Current Value	Recommended Value
	INTEGRATION	INTERACTIVE_DATA_UPLOAD	X	Value should be set to empty
	INTEGRATION	MAX_REPORT_ROWS	180000	50000




3.1.3 S&OP

The values of the parameters are as recommended by SAP.

3.1.4 Demand

The values of the parameters are not as recommended by SAP, please correct them if possible.

DEMAND PARAMETERS

Rating	Parameter Group	Parameter Name	Current Value	Recommended Value
	FORECAST	DETAILED_LOG	X	Value should be set to empty
	FORECAST	FCSTASSIGNMENT_LOG_MAX_TIME	60	10
	FORECAST	MIN_FORECAST	0	-9999999

3.1.5 Supply

The values of the parameters are as recommended by SAP.

3.2 Model Configuration

Since IBP is a highly configurable solution, this section reviews the most important topics regarding the model configuration of your IBP system. You can also refer to the configuration and performance recommendations described in SAP Note [2211255](#).

Based on checks regarding the model configuration of your IBP system, the configuration is as recommended by SAP.

3.2.1 Data Volume Limit on Time-Series Entries

To prevent the system from running out of memory, the number of time series entries that can be created or updated is limited to 10 million per Attribute as Key Figure (AAKF) once the system is normalized. If you have a special agreement with SAP, this limit can be exceeded; however, this is not recommended.

For more information on this topic, see the following SAP Notes:

[2986360](#) Performance impact of creating planning data during master data change/upload (Attribute as key figure)

[2922453](#) Alternative Configurations for Attribute as Key Figure

UPLOAD THRESHOLDS 25.12.2021 - 23.01.2022

% Of Threshold	Planning Area	Attribute	Date	Batch ID	Records
340	PLA1	Att1	22.01.2022	97FFCCFD7B5311ECAB7020F818D8644D	34014000
164	PLA2	Att2	22.01.2022	BEFC6C5B7B6511EC998B12D40300350F	16368000
119	PLA3	Att3	22.01.2022	65B1FF397B5D11ECAB902KF800D8644D	11947069

Recommendation: We found that some uploads reached 60% or more of the record limit, which is set at 10 million. Check SAP Note [2986360](#) for ways to reduce data volume and avoid reaching the record limit.

3.3 SAP IBP Microsoft Excel Add-In






The time the user waits for the system to respond to their request (e.g. opening a planning view, saving data, creating a planning note, etc.) consists of both front-end time and back-end time. The performance of the planning views in the IBP Excel Add-In are therefore impacted by multiple different factors. Many of them can be influenced positively through the right usage/configuration.

Based on checks concerning the IBP Excel Add-In, the setup is not as recommended by SAP. To ensure system stability, you should check these with the business and take corrective action.

3.3.1 SAP IBP Excel Add-In Parameters

The values of the parameters are not as recommended by SAP, please correct them if possible.






SAP IBP EXCEL ADD-IN PARAMETERS

Rating	Parameter Group	Parameter Name	Current Value	Recommended Value
	PLAN_VIEW	MAX_RESULT_CELL_SIZE	200000000	1 - 1000000
	PLAN_VIEW	MAX_RESULT_ROW_SIZE	20000000	2000
	PLAN_VIEW	MAX_TIME_LEVELS	5	4
	PLAN_VIEW	PV_COUNT_MAX	8	5
	PLCNTRL	MAX_FILTER_VALUES	20000	200

3.3.2 SAP IBP Excel Add-In Version

Some users are still working with an add-in that is older than the most recent available version. It is recommended that you upgrade all users to the newest version - 2111.

EXCEL ADD-IN LOGINS BY VERSION

IBP Excel Add-In Version	Number of Logins	Rating
2005	7	
2011	32	
2105	39	
2108	3	
2111	2	

We are continuously working on not only new features, but also on improving the performance of the IBP Excel Add-In. It is therefore highly recommended to bring the users to the latest IBP Excel Add-In so that all recent performance improvements can be leveraged. Information about the latest add-in version can be found in SAP Note [2394311](#).

Note:

You can use the apps User Login Statistics for Excel Add-In and Session Statistics for IBP Excel Add-In to check how many users are still running on older versions and send out e-mails to these users.

3.4 Data Lifecycle Management

Data in your system grows over time, and you may find that you have unused data occupying valuable in-memory space. This data isn't used in any business planning functions, but its presence may impact performance or cause other issues. It is therefore vital that you delete unused data regularly. Consider Data Lifecycle Management options mentioned in SAP Help - [Data Lifecycle Management](#) and KBA [2728485](#) during the implementation phase.

Based on checks regarding Data Lifecycle Management in your IBP system, the setup is not as recommended by SAP. To ensure system stability, you should check these with the business and take corrective action.

3.4.1 Purge Operator







To avoid reaching the limit of available memory space and help prevent undesired performance degradation or operational issues, you need to control the volume of data that accumulates in the system. IBP offers different application jobs that you can run to delete different kinds of data. Some of these jobs should be scheduled to run regularly, others can be run on an ad hoc basis.

Note:

The period analysed for daily jobs is 17.01.2022 - 23.01.2022.

The period analysed for ad-hoc jobs is 25.12.2021 - 23.01.2022.

PURGE OPERATOR

Rating	Application Template	Recommended Scheduling	Reason for Rating	Runs
	Purge Key Figure Data Outside Planning Area Horizon	Daily	Job was not scheduled during period analyzed	7
	Purge Change History Data	Daily	Job is scheduled but not on a daily basis	1
	Purge Data Import Batches	Daily	Job was scheduled during period analyzed	7
	Purge Processes	Daily	Job was scheduled during period analyzed	7
	Purge Non-Conforming Data	Ad Hoc	Job was scheduled during period analyzed	3
	Purge Key Figure Data	Ad Hoc	Job was not scheduled during period analyzed	0

Rating	Application Template	Recommended Scheduling	Reason for Rating	Runs
✓	Purge Scenarios	Ad Hoc	Job was scheduled during period analyzed	1

Several purge jobs are not scheduled to run regularly as recommended by SAP. This can lead to performance issues or memory allocation issues.

Recommendation: Consider the available options for Data Lifecycle Management. Information on these options along with purge job templates can be found on the [Data Lifecycle Management](#) page on SAP Help Portal.