

IBP Job Scheduling

Report /BTCMAN/C_IBP – User Documentation

BatchMan 5.3 | HONICO Systems GmbH

1. Overview

The ABAP report /BTCMAN/C_IBP allows BatchMan to schedule and monitor application jobs in SAP Integrated Business Planning (IBP) directly from an on-premise SAP system. The report connects to the IBP system via an HTTP destination, submits a job based on a specified template, and then polls IBP for the job's completion status. Optionally, the IBP application job log entries are retrieved and written to the ABAP output during execution.

This document describes the selection-screen parameters users must provide to execute the report, the authority objects that control access, and the job status codes returned during monitoring.

2. Prerequisites

Before executing this report, the following setup must be completed by a system administrator:

- An HTTP RFC destination (type G) must be created in transaction SM59, pointing to the IBP API host (myXYZ-api.scmibp.ondemand.com). This destination name is entered in the HTTP Connection field.
- A Communication User, Communication System, and Communication Arrangement must be configured in the IBP Fiori apps, using scenario SAP_COM_0064 or SAP_COM_0326. The communication user credentials are entered in the User and Password fields.
- The root certificate of the IBP system must be imported into the ABAP system's SSL trust store via transaction STRUST (SSL client standard key store). TLS 1.2 must be enabled.
- The executing user must hold the required BatchMan authorization objects (see Section 5). He also needs also the Filters set in IBP to start the required Task.

3. Selection Screen Parameters

The selection screen is divided into three sections: Connection, IBP-task, and Options. The screenshot below shows the report's selection screen with example values filled in.

[illegible]

3.1 Connection

This section defines the technical connection to the IBP system and the credentials for the IBP Communication User.

Field Label	Required	Description
HTTP Connection	Required	The RFC destination (type G – HTTP Connection to external server) configured in SM59 that points to the IBP system API host (e.g. myXYZ-api.scmibp.ondemand.com).
User	Required	Username of the IBP Communication User configured in the IBP Communication Arrangement (e.g. JOBSCHEDULERUSER).
Password	Required	Password for the IBP Communication User. The field is masked during input.

Note: The password is masked on the selection screen. The del_sess (Delete Session) checkbox controls whether the IBP secure session is explicitly closed after the job completes. This parameter is hidden from the selection screen in standard execution.

3.2 IBP-task

This section defines which IBP job template to schedule and how it should be executed.

Field Label	Required / Default	Description
Template ID	Required	The technical template ID (JobTemplateName) of the IBP application job to be scheduled. This is a GUID-like identifier which can be obtained from the IBP Fiori app or via a template lookup call. Example: YY1_Z7ILD53HBXUPNZMQ4ATLB3ZOOM
Jobuser	Required	The IBP Business User ID under which the job will be scheduled and executed. IBP applies the visibility filter settings of this user. The user ID can be found in the IBP Fiori app Maintain Business Users. Example: CB8980000230
Job text	Required	A descriptive display name for the scheduled job instance. This text is shown in the IBP Application Jobs Fiori app and helps to identify the job run. Example: IBP Testtask for HONICOs BatchMan PoC
Get the logs	Optional (default: checked)	When checked, the program retrieves and displays the IBP application job log entries directly in the ABAP output. Log entries are fetched step-by-step as each job step completes. If unchecked, the job is monitored for completion but no log content is displayed.

Note: The Template ID (JobTemplateName) is a technical identifier, not the human-readable job template title. Use the IBP Fiori app Application Jobs or ask your IBP administrator to provide the correct Template ID. GUID-like IDs correspond to customer-defined templates; short names like /IBP/... are SAP-delivered templates.

3.3 Options

This section controls the monitoring behavior of the report while waiting for the IBP job to finish.

Field Label	Required / Default	Description
Maximum runtime in seconds	Optional (default: 600)	The maximum number of seconds the program will wait for the IBP job to reach a final status before aborting the monitoring loop. If the job has not finished within this time, the program exits with an error message. For long-running IBP jobs, increase this value accordingly. Example: 3,600 seconds = 1 hour.
Polling period in seconds	Optional (default: 5)	The interval in seconds between consecutive job status checks. A lower value results in more frequent status polling but increases network load. Recommended range: 5–30 seconds.

4. Job Status Codes

While the report monitors the IBP job, it writes status messages to the output. The following table lists all possible job status codes that IBP returns via the OData API, along with their meaning.

Code	Status Text	Description
R	In Process	The job is currently running.
Y	Ready	The job is ready to be executed.
S	Scheduled	The job has been scheduled but has not yet started.
F	Finished	The job completed successfully.

Code	Status Text	Description
A	Failed (Aborted)	The job ended with an error.
C	Canceled	The job was canceled by a user or the system.
U	User Error	The job ended due to a user-related error.
O	Other	The job status is unknown or cannot be determined (e.g. insufficient permissions).

Note: If the report is executed with a Communication User that uses scenario SAP_COM_0064, the JobStatus for jobs scheduled by other users may be returned as 'O' (Other). To view all jobs regardless of who scheduled them, the IBP Communication Arrangement must use scenario SAP_COM_0326.

5. Authority Objects

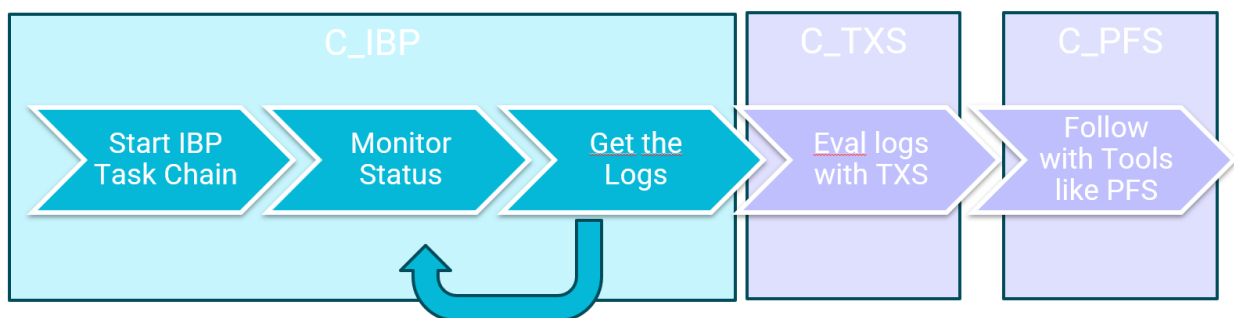
Access to the report is controlled by the following BatchMan and SAP standard authorization objects. These must be assigned to the user's role by a system administrator.

Authorization Object	Description
/BTCMAN/RUN	Execute authorization for the report /BTCMAN/C_IBP. Users require this object to be allowed to start the report at all. Without this authorization, the selection screen is not displayed.
/BTCMAN/ADM	BatchMan administrator privilege. Required to execute the job scheduling logic (checked at program start). Users without this authorization receive an error message and the program terminates before any IBP calls are made.
S_RFC	Standard SAP authorization object for RFC calls. Required to allow the HTTP client (via the SM59 destination) to communicate with the IBP system. The relevant function group must be permitted.

Note: Authorization checks are performed at selection-screen output time and again at the start of execution. If either check fails, the program terminates immediately with an informational message and no IBP calls are made.

6. Execution Flow (Summary)

When the report is executed, it performs the following steps in sequence:



- **Step 1 – Authenticate & Fetch Templates:**
- The report connects to the IBP system using the specified HTTP destination and Communication User credentials. It retrieves the list of available job templates and verifies that the specified Template ID exists.

- **Step 2 – Schedule the Job:**
- A scheduling POST request is sent to IBP, triggering immediate execution of the specified template under the specified Job User with the specified Job text.
- **Step 3 – Monitor Status and Retrieve Logs Continuously:**
- The report enters a polling loop, checking the IBP job status at the configured polling interval and writing the current status to the output after each cycle. Monitoring continues until the job reaches a final status (Finished, Failed, Canceled, User Error, or Other) or the maximum runtime is exceeded.
- If **Get the logs** is checked, log retrieval happens **within every polling cycle**, not only after the job finishes. After each status check, the report determines how many IBP job steps have already completed and immediately fetches the log entries for any newly finished steps. This means that the IBP application job logs are written to the BatchMan log output in near real-time as each step completes, allowing operators to follow the job's progress continuously without waiting for the entire job to finish.
- **Step 4 – Cleanup:**
- Once a final status is reached, any remaining log entries are fetched, the HTTP session is closed, and the report terminates. All output can be reviewed in the BatchMan job log or the ABAP spool if the report was executed as a background job.

6.1 Job Status Handling and Follow-Up Processing

The report /BTCMAN/C_IBP does not raise an ABAP error or set a non-zero return code based on the IBP job status. Regardless of whether the IBP job finishes successfully, fails, or is canceled, the report completes its own execution without automatically triggering an error in BatchMan.

This is by design. The responsibility for evaluating the IBP job outcome and deciding on follow-up actions rests with the BatchMan process chain configuration, using the BatchMan report:

/BTCMAN/C_TXS – Text Search / Message Evaluation Report

By placing /BTCMAN/C_TXS as a follow-up step after /BTCMAN/C_IBP in a BatchMan job chain, users can define flexible, customizable reaction rules. /BTCMAN/C_TXS evaluates the log output written by the preceding step and can be configured to:

- React to specific IBP job status codes (e.g. stop the chain if status 'A' – Failed – appears in the log).
- Search for specific text patterns or error messages within the IBP application log entries that were fetched and written to the BatchMan log during execution.
- Trigger different downstream steps depending on whether a particular message was found or not, enabling conditional branching within the BatchMan process chain.

Note: This approach gives users full flexibility: a completed IBP job that returned status 'F' (Finished) but contains a specific warning message in its log can be treated differently from a clean finish — without any custom ABAP development. Refer to the /BTCMAN/C_TXS user documentation for configuration details.

7. Common Error Messages

Message	Likely Cause & Action
You have no Batch Admin authorization	The executing user does not hold the /BTCMAN/ADM authorization object. Contact your system administrator to assign the required role.
Destination not found	The RFC destination entered in HTTP Connection does not exist in SM59. Verify the destination name and that it is correctly configured.
IBP template list is empty	The HTTP connection succeeded but no templates were returned. Check that the Communication

Message	Likely Cause & Action
	Arrangement in IBP is active and that the Communication User has the correct permissions.
Job template ID '...' not found	The Template ID entered does not match any available template in IBP. Verify the Template ID with your IBP administrator.
Maximum runtime exceeded	The IBP job did not complete within the configured maximum runtime. Increase the Maximale runtime in seconds parameter or investigate the job in IBP Application Jobs.
Error 401 – User Unauthorized	The Communication User may be locked in IBP due to multiple failed login attempts. Ask the IBP administrator to unlock the user via the Display Technical Users Fiori app.