

System Requirements BIC Process Mining

GBTEC Software AG

System Requirements User Workstations (*1)

Hardware Requirements User Workstations

CPU	4 CPU cores
RAM	16 GB (*2)

On user workstations with less hardware resources performance of BIC Process Mining will degrade. Performance may be sufficient for limited use cases like read-only viewing.

Software Requirements User Workstations

Web Browser	Google Chrome, Microsoft Edge in the latest Version, Mozilla Firefox (latest ESR)
Web Browser Settings	JavaScript und Cookies activated, at least 50 MB free memory for web databases
Printing	PDF Viewer (e.g. Adobe PDF)

(*1) BIC Process Mining is a browser-based tool and there is no need of a separate client installation. Nevertheless, there are hardware requirements for the computer which runs the web browser.

(*2) The user workstation must have 64-bit operating system to be able to use all physical RAM.

System Requirements Server

Hardware Requirements BIC Process Mining Server for On-Premises

Hardware for server is only required for on-premises installations. For Public Cloud and Private Cloud installations hardware is provided by GBTEC.

	Application Scenario (*3)		
	Small	Medium	Large
	max. 5 million cells per event log	max. 30 million cells per event log	approx. 200 million cells per event log
	Server resources		
CPU (*4)	16 CPU cores	32 CPU cores	64 CPU cores
RAM (*5)	64 GB	128 GB	256 GB
Storage (*6)	120 GB	250 GB	500 GB

(*3) Please choose the columns with the scenario that matches your case of application. "cells per event log" are calculated as number of rows multiplied with number of rows in the event log. In the cells you will find the necessary system requirements. In case of divergent system configurations please get in touch with your GBTEC contact to clarify the compliance of the system requirements.

(*4) The recommended number of cpu cores refer to Intel Xeon processors. When using different processors, the recommended cores must be multiplied by 1.5 to 2, due to the performance of the different processor architecture.

(*5) The RAM requirements are prepared to support future enhancements. If scalable hardware virtualization is available, 32 GB will initially be sufficient for a basic BIC Process Mining setup.

(*6) We recommend SSD disks. Non-SSD local should only be used as local SAS disks. Using a Storage Area Network (SAN) with non-SSD disk is disadvised.

Software Requirements BIC Process Mining Server

Software for server is only required for on-premises installations. For Public Cloud and Private Cloud installations software is provided by GBTEC.

Operating System (*7, *8)	Ubuntu 18.04 or 20.04 (LTS) 64-bit version (*7) Red Hat Enterprise Linux 7.6 64-bit version (*7) SUSE Linux Enterprise 12SP3 64-bit version (*7)
Software Packages	Docker Engine (at least version 18.09.2) (*6), Docker Compose (at least version 1.12.2) (see https://docs.docker.com/engine/installation)
Internet Connection	For installation, software updates, patches and transfer of log files for problem diagnosis an internet connection is required. Internet connections through proxy servers are supported. For security reasons, it is possible to restrict internet access to defined servers or allow internet connections only temporarily.
Backup & Recovery	For rapid restore in case of hardware failure we recommend snapshots of the (virtual) hard disks. For long term data backup BIC Process Mining automatically exports data daily to a file system folder. This folder has to be archived daily by your IT department. In case of restore the backup data has to be restored in this file system folder and will be loaded with a special administrative command.
Single Sign On	Integration of a BIC Process Mining with ActiveDirectory and Single Sign On requires ActiveDirectory Federation Services 2.0 or higher with SAML 2.0 activated. On-premises integration is supporting SAML 2.0 or Kerberos/LDAP protocol. Integration will require additional services for implementation, configuration and coordination with customer's IT department, offered for an annual fee.

(*7) Docker Engine is available as "Community Edition" free of charge or as "Enterprise Edition" subscription with extended features and support. For availability of editions for your preferred operating system and pricing see: <https://docs.docker.com/engine/installation/#supported-platforms>

(*8) In case of requirements to use other OS versions or distributions contact GBTEC for known incompatibilities and limitations.