

# Brainware for Invoices

## Technical Specifications

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# Table of Contents

- About the Brainware for Invoices Technical Specifications ..... 4**
- Server Requirements ..... 4**
- Additional Server Requirements ..... 4**
  - Oracle Database Access ..... 5
- Compatibility ..... 5**
- Supported Languages ..... 6**
- Network Port Usage ..... 8**
- ERP Integration ..... 8**

## About the Brainware for Invoices Technical Specifications

Brainware for Invoices (BFI) is a multi-tenanted, out-of-the-box Accounts Payable solution that automates data entry for invoices and credit notes.

This document provides the technical specifications for Brainware for Invoices.

Use the requirements provided in this document as a guideline. The actual hardware and software configuration depends on your specific requirements.

**Note:**

Brainware for Invoices has adopted a new version structure. Brainware for Invoices 22.1 is the latest release following Brainware for Invoices 3.5.

## Server Requirements

The following table lists the minimum requirements for BFI servers.

Specification	Servers processing up to 500 pages per day	Servers processing up to 5,000 pages per day	Servers processing up to 10,000 pages per day
Processor	As a minimum requirement, use a dual core processor running at 3 GHz.	As a minimum requirement, use a quad core processor running at 3 GHz.	As a minimum requirement, use a 8 core processor running at 3 GHz
Memory	Minimum 4 GB, 2 GB per core	Minimum 8 GB, 2 GB per core	Minimum 16 GB, 2 GB per core
Disk space	20 – 40 GB	100-200 GB	Minimum 200 GB

## Additional Server Requirements

The following table lists the additional requirements for BFI servers.

Specification	Description
Operating Systems	<ul style="list-style-type: none"><li>• Microsoft Windows Server 2012 R2</li><li>• Microsoft Windows Server 2016</li><li>• Microsoft Windows Server 2019</li></ul>

Specification	Description
Software	Microsoft .NET Framework 4.6
Network	A 100 MB/s network, configured at full duplex or auto-negotiate. We recommend a 1 GB/s network to provide optimal performance.

## Oracle Database Access

If Oracle database access is required, Oracle Client must be installed and Oracle Data Access Components (ODAC) must be installed and registered in the GAC. Specifically, you need to download the ODAC 32 bit components for the version of Oracle client installed, and then register the components into the GAC following the instructions provided by Oracle. For more information on installing the Oracle components, refer to the Oracle Product Installation Guide.

## Compatibility

Brainware for Invoices 22.1 is compatible with BIC Foundation EP1 or higher. The following table lists the BIC versions compatible with Brainware for Invoices.

Brainware for Invoices Releases	BIC 5.7	BIC 5.7.1	BIC 5.8	BIC 5.9	BIC 5.9.1	BIC Foundation EP1	BIC Foundation EP2
22.1	No	No	No	No	No	Yes	Yes
3.5	No	No	No	No	No	Yes	Yes
3.4	No	No	No	No	No	Yes	Yes
3.3	No	Yes*	Yes*	Yes*	Yes	Yes	Yes
3.2	No	Yes*	Yes*	Yes*	Yes	Yes	Yes
3.1	No	Yes	Yes	Yes	No	No	No
3.0	No	Yes	Yes	Yes	No	No	No
2.3 to 2.8	Yes	Yes	Yes	Yes	No	No	No

Brainware for Invoices Releases	BIC 5.7	BIC 5.7.1	BIC 5.8	BIC 5.9	BIC 5.9.1	BIC Foundation EP1	BIC Foundation EP2
2.2	Yes	Yes	Yes	Yes	No	No	No
2.1	Yes	Yes	Yes	Yes	No	No	No
1007F, G	Yes	Yes	Yes	Yes	No	No	No

\* Indicates that the memory utilization, RSA3072 password encryption and XML output file document page information features are available only if you are using BIC 5.9.1. and above.

## Supported Languages

Language	1006*	1007*	2.x	3.x
Bulgarian	Yes	Yes	2.1+	Yes
Chinese (Simplified)		1007D+	2.1+	Yes
Czech	Yes	Yes	2.1+	Yes
Danish	Yes	Yes	2.1+	Yes
Dutch	Yes	Yes	2.1+	Yes
English	Yes	Yes	2.1+	Yes
Estonian	Yes	Yes	2.1+	Yes
Finnish	Yes	Yes	2.1+	Yes
French	Yes	Yes	2.1+	Yes
German	Yes	Yes	2.1+	Yes
Greek	Yes	Yes	2.1+	Yes
Hungarian	Yes	Yes	2.1+	Yes
Italian	Yes	Yes	2.1+	Yes

Language	1006*	1007*	2.x	3.x
Japanese		1007D+	2.1+	Yes
Korean		1007E+	2.1+	Yes
Latvian	Yes	Yes	2.1+	Yes
Lithuanian	Yes	Yes	2.1+	Yes
Norwegian	Yes	Yes	2.1+	Yes
Polish	Yes	Yes	2.1+	Yes
Portuguese	Yes	Yes	2.1+	Yes
Portuguese (Brazilian)	Yes	Yes	2.1+	Yes
Romanian	Yes	Yes	2.1+	Yes
Russian	Yes	Yes	2.1+	Yes
Slovak	Yes	Yes	2.1+	Yes
Slovenian	Yes	Yes	2.1+	Yes
Spanish	Yes	Yes	2.1+	Yes
Swedish	Yes	Yes	2.1+	Yes
Thai		1007F+	2.3+	Yes
Turkish	Yes	Yes	2.1+	Yes

## Network Port Usage

BFI and its related products use specific network ports as part of the default implementation. If needed, you can modify port assignments. The following table lists the Internet Assigned Number Authority (IANA) for networking protocols. It is possible that your networking group has changed ports for LDAP, SMTP, POP3, or for database traffic to meet your organization's security requirements.

**Note:**

For integrations with ERP solutions, consult with your Hyland representative for information on the ports that Brainware requires and uses.

Port	Usage
110	RTS - incoming email (POP3)
50607	RTS - instances
3000	ABBYY FineReader 10 Network License Manager
3011	ABBYY FineReader 11 Network License Manager
1433	Microsoft SQL Server database
1521	Oracle database

## ERP Integration

The following table indicates the supported ERP software versions for Brainware for Invoices.

Brainware for Invoices Releases	SAP ECC 6.0	SAP S/4HANA	Workday
BFI 22.1	Yes	Yes	Yes
BFI 3.2 to BFI 3.5	Yes	Yes	Yes
BFI 3.1	Yes	No	No
BFI 3.0	Yes	No	No
BFI 2.x	Yes	No	No
BFI 1007X	Yes	No	No