

# Brainware for Transcripts

## Technical Specifications

Version: 2.4.x

Written by: Documentation Team, R&D  
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Hyland

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## About Brainware for Transcripts

Brainware for Transcripts (BFT) captures information from transcripts fields such as school name, student's name, birth date, GPA, and grades and stores the information as a transcript document. The document is then available to use with your institution's student information system and can be shared among different departments. You can also store additional documents with a transcript, such as a letter of recommendation. Brainware for Transcripts contains document type support for high school and college transcripts, as well as Navy, Marine Corps, Army, and Joint Services transcripts.

## About this Document

This document provides the technical specifications for Brainware for Transcripts (BFT). The technical specifications in this document are specific to a product release. We publish a new technical specification for each major release.

The product highlighted in this specification document has unique requirements. It is important to understand what the product is and how it relates, or does not relate, to the other products.

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

## Server Requirements

The following table lists the minimum server requirements for BFT.

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

This table lists the additional server requirements for BFT.

Specification	Details
Operating systems	<ul style="list-style-type: none"> <li>Microsoft Windows Server 2012 R2</li> <li>Microsoft Windows Server 2016</li> </ul>
Software	Microsoft .NET Framework 4.6
Network	<p>A 100 MB/s network, configured at full duplex or auto-negotiate.</p> <p>We recommend a 1 GB/s network to provide optimal performance.</p>

## 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.

**Note:** Brainware for Transcripts 2.4 is compatible with BIC EP2 and Oracle 19c environments.

## Compatibility

This table lists the BIC versions compatible with BFT 2.4.

BIC	5.7	5.8	5.9	5.9.1	EP1	EP2
BFT 2.4	Yes **	Yes *	Yes *	Yes	No	Yes

\*\* Indicates that it is compatible with 5.7 SP1 with Hot Patch for Transcript engine build 5722

\* Indicates that features like memory utilization, RSA3072 password encryption and support for AEB Role are available only if you are using BIC 5.9.1.

## Network Port Usage

This table lists the networking protocols for BFT.

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