

# Brainware for Transcripts

## Technical Specifications

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# Table of Contents

- About Brainware for Transcripts..... 4**
- About this Document..... 4**
- Server Requirements..... 5**
  - Additional server requirements..... 5
- Database Server ..... 5**
  - Oracle Database Access ..... 6
- Compatibility ..... 7**
- Network Port Usage ..... 7**



## 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 supports document types such as, high school, college, multidistrict 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 an 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> <li>Microsoft Windows Server 2019</li> </ul> <p>We provide support for ODBC and web services as they relate to Microsoft Windows Server OS. However, you can use any server OS that allows database connectivity through ODBC and web services, such as REHL, AIX, and Solaris. A non-Windows server OS must provide the same level of functionality for ODBC and web services.</p>
Software	<ul style="list-style-type: none"> <li>Microsoft .NET Framework 4.6</li> <li>Internet Information Services (IIS)</li> </ul>
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>

## Database Server

Specification	Details
Hardware	<p>As a minimum requirement, use a quad-core processor running at 3 GHz.</p> <p>Hardware requirements specified by respective DBMS vendors are necessary in addition to BFT-specific requirements. We recommend installing the database on a separate server.</p>



Specification	Details
Memory	Minimum 8 GB
Disc Space	Minimum 100 GB
DBMS	<ul style="list-style-type: none"><li>• Microsoft SQL Server 2014 SP2 or newer</li><li>• Microsoft SQL Server 2016 SP1 or newer</li><li>• Microsoft SQL Server 2017</li><li>• Microsoft SQL Server 2019</li><li>• Oracle 19c</li></ul> <p>If you use Oracle as a database, you must install a 32-bit Oracle client on any workstation or server where BIC communicates with the database, such as when using Designer or Verifier.</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.



## Compatibility

This table lists the BIC versions compatible with BFT 22.1:

Brainware Intelligent Capture (BIC)	Foundation EP1	Foundation EP2
Brainware for Transcripts 22.1	No	Yes*

\* To configure and use CTE in Brainware for Transcripts 22.1, you need to install the Brainware Foundation EP2 CTE Add-on Build 6021, in addition to the Brainware Intelligent Capture Foundation EP2.

The Brainware Intelligent Capture license must include the Chain Table Extraction (CTE) engine as an available licensed engine for Brainware to utilize. In cases where an installation already exists, the license must be updated to include Chain Table Extraction (CTE) engine.

## 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