

On-prem Technical Specifications

Gimmel Physical

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Version History

Version	Approved By	Effective Date	Description of Change
3.6	Alex Caldas	07/25/2019	Created for Gimmel Physical Version 3.6 on-premises applications
3.6	Alex Caldas	01/08/2020	Updated to reflect best practices
3.6	Alex Caldas	05/14/2020	Updated to include required SQL Server features Updated to reflect rebranded Gimmel Physical products
3.7	Alex Caldas	06/30/2020	Updated sections, Requirements/Devices, Installation Components and Device Hardware
3.7	Alex Caldas	10/02/2020	Updated sections, Databases Supported Add SQL 2019 as supported database engine
3.8	Alex Caldas	11/20/2020	Updated sections, Application Architecture Diagram updated



3.10	Will Irwin	05/26/2021	Updated with Gimmel rebranding
3.11	Will Irwin	09/22/2021	Updated for Gimmel Physical v3.11
3.11	Terry Butler	03/02/2022	Updated screen shots and format

Introduction

Gimmel Physical is a true thin application that is offered as either a cloud-based or on-premises solution. The system requirements in this document for the following sections are specific to on-premises installations.

Requirements

This document provides the list of requirements for supported operating systems, database servers, software, and hardware.

Gimmel Physical is deployed with two installation files:

- A setup file to install the application on the web server
- A backup file for the SQL Server database

Application Server:

Microsoft® .NET Framework 4.5 must be installed on the application server running Gimmel Physical. A supported version of Microsoft Internet Information Services (IIS) 7.0 or later must be configured and running before Gimmel Physical can be installed.

Databases Supported:

Supported Software	Edition	Product Version Minimum
SQL Server 2012	<ul style="list-style-type: none">• Standard• Enterprise	Version 11.x
SQL Server 2014	<ul style="list-style-type: none">• Standard• Enterprise	Version 12.x
SQL Server 2016	<ul style="list-style-type: none">• Standard• Enterprise	Version 13.x
SQL Server 2017	<ul style="list-style-type: none">• • Standard• Enterprise	Version 14.x
SQL Server 2019	<ul style="list-style-type: none">• Standard• Enterprise	Version 15.x

Database Feature Requirements:

Full-Text and Semantic Extractions for Search is required

Features:	Feature description:
<p>Instance Features</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> Database Engine Services<input type="checkbox"/> SQL Server Replication<input type="checkbox"/> Machine Learning Services (In-Database)<ul style="list-style-type: none"><input type="checkbox"/> R<input type="checkbox"/> Python<input checked="" type="checkbox"/> Full-Text and Semantic Extractions for Search	<p>Includes the Search engine that supports Full-Text Extraction for fast text search as well as Semantic</p> <hr/> <p>Prerequisites for selected features:</p>

Devices (Optional):

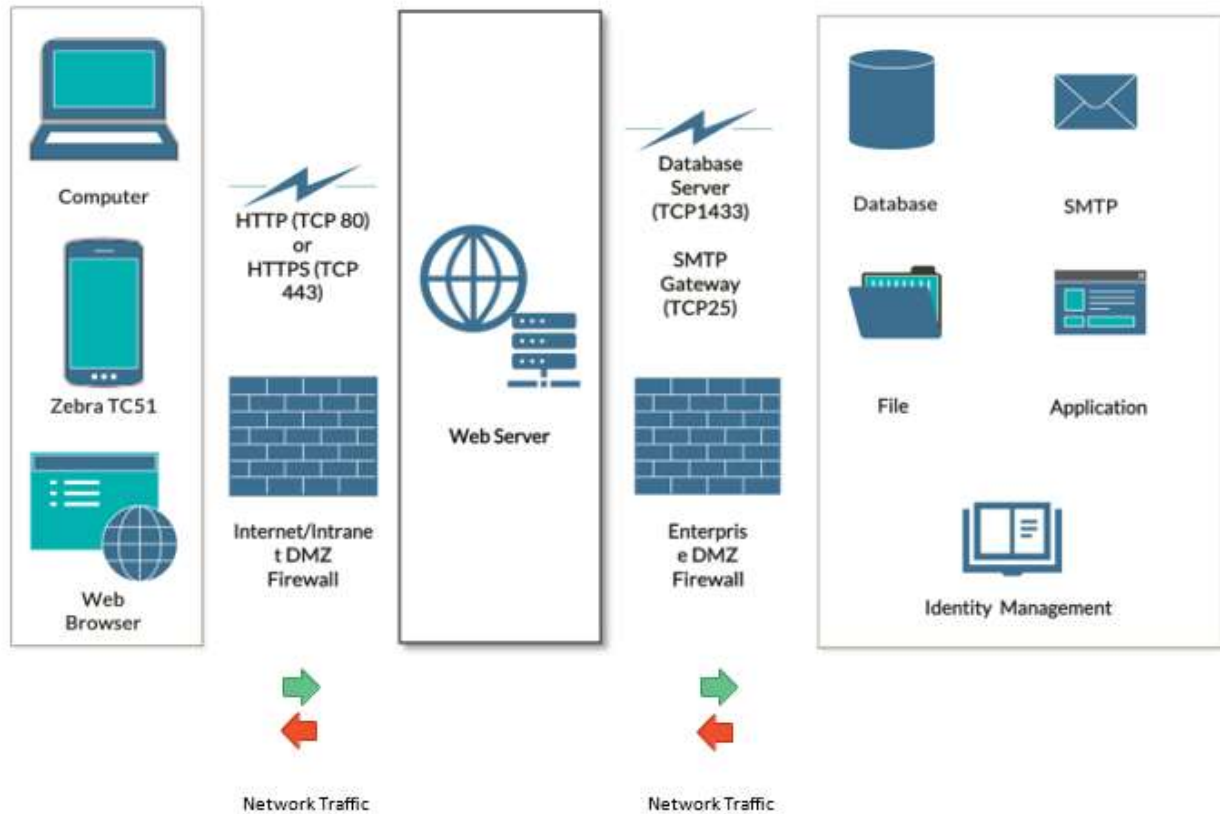
- Zebra DS4608/4278 or any general-purpose scanner: Gimmel Physical ScannerConnect must be installed and enabled in order to use tethered barcode scanners devices with Gimmel Physical.
- Zebra TC52 Touch Computer: Gimmel Physical PortableConnect must be installed and enabled on the TC552 device.

SMTP Server:

In order to use the e-mail notification feature, there must be an SMTP (Simple Mail Transport Protocol) server available to handle the actual mail requests for the organization. For example, Microsoft Exchange Server provides SMTP facilities for sending email messages, as do Sendmail, Postfix, QMail and other products.

Application Architecture

Typical on-premises Gimmel Physical architecture is depicted below.



Installation Components

Component	Description	Deployment Unit
Gimmel Physical Access	Software to access Gimmel Physical application.	Modern Web Browser
Gimmel Physical ScannerConnect (optional)	A standalone application that provides an interface for the Zebra DS4608/4278 or any general-purpose barcode scanners.	Client Workstation
Gimmel Physical PortableConnect (optional)	A standalone application that provides an interface for the Zebra TC52 barcode scanner.	Client Workstation

Operating Systems

Gimmel Physical requires Microsoft Windows 2012 64-bit or later running on a physical or virtual computer.

Additional Supporting Applications

Optional Software:

- Gimmel Physical FileConnect: a Windows service that interfaces with Gimmel Physical web service to push data from network file shares or local folders to the Gimmel Physical for storage. A UI is provided to configure the service.
- Gimmel Physical ScannerConnect: a standalone application that allows users to transfer items in Gimmel Physical. Used with tethered scanner devices to avoid issues with ActiveX which is specific to the Internet Explorer browser and nearing end-of-life.
- Gimmel Physical PortableConnect: An Android application that allows the Zebra TC52 mobile computer device to collect scans and perform transfers in Gimmel Physical via download through the web application or directly using Gimmel Physical Web Services.

Identity Management Integration and Single Sign On (SSO):

Gimmel Physical can integrate with the following Single Sign On (SSO) technologies:

- Okta
- Azure Active Directory (AD)
- Microsoft Active Directory Federation Services (ADFS)
- SAML2-based Identity Providers (IdP)

Gimmel Physical REST API:

An extensive library of REST-based web services is available for consumption.

Windows Hardware

Hardware	Deployment Unit	Requirement
Hard Disk and Memory	Web Server	<ul style="list-style-type: none"> • 1 GB free disk space • 1 GB RAM
	Database Server	<ul style="list-style-type: none"> • 1 GB free disk space • 1 GB RAM
Client Workstation	Client Workstation	<ul style="list-style-type: none"> • Modern web browser • Optional barcode scanner device requires an available COM/USB port

Device Hardware

Supported Devices:

Device	Description	Specifications
Zebra DS4608 or any general-purpose scanner (Tethered Scanner)	A quick way to check in and out items within the ScannerConnect application, normally used at a file room checkpoint.	<ul style="list-style-type: none"> • USB port • Direct-to-Serial cable for the scanner, with a COM-to-USB adapter • Driver for the adapter; PC recognize the scanner as a COM port connection • 6ft range tethered scanner • Gimmel Physical ScannerConnect application
Zebra LI4278 or any general-purpose scanner (Wireless Scanner)	A quick way to check in and out items within the ScannerConnect application, normally used at a file room checkpoint. The base is connected to the computer and the scanner has a limited range.	<ul style="list-style-type: none"> • USB port • Direct-to-Serial cable for the scanner, with a COM-to-USB adapter • Driver for the adapter; PC to recognize the scanner as a COM port connection • 80-foot range • Gimmel Physical ScannerConnect application
Zebra TC52 (Mobile Scanner)	This scanner is often used in a warehouse, office building, or campus environment to both check in and out items, as well as reconcile the Gimmel Physical database with where items actually are located.	<ul style="list-style-type: none"> • USB port for the dock • Gimmel Physical PortableConnect application