



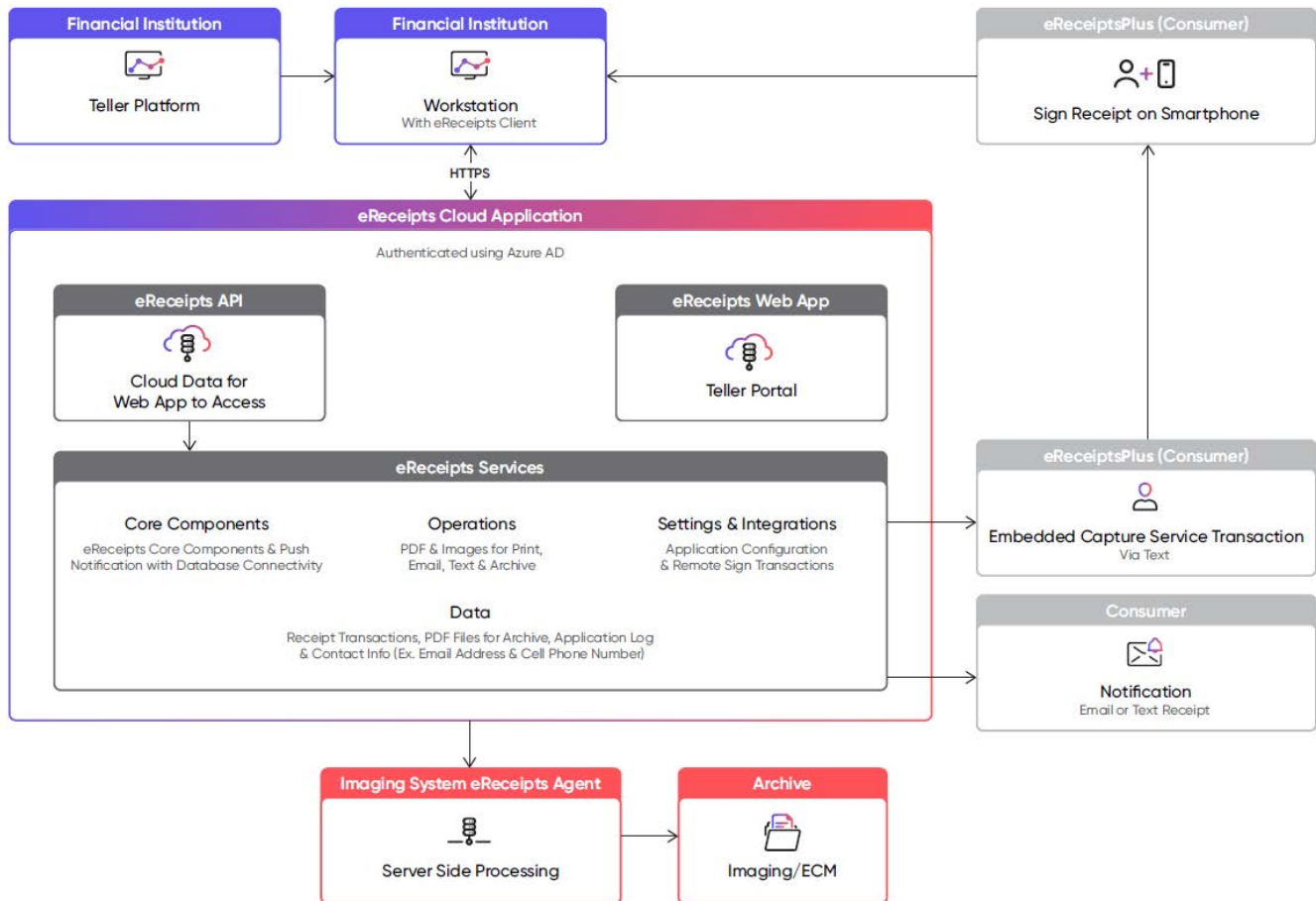
Kinective Receipts Cloud Solutions

System Requirements

Overview

Kinective Receipts cloud services are fully managed by Kinective and run on Microsoft Azure Platform as a Service (PaaS). Receipts and ReceiptsPlus are multi-tenant applications that focus on advanced security standards, data integrity, and reliability. Receipts cloud solutions are a Software as a Service (SaaS) offering for all the application requirements, including upgrades, database management, and data retention policy. This service is running in a High Available environment on the Kinective Cloud. The utilization of Microsoft Entra ID (formerly Microsoft Azure Active Directory) provides centralized identity and access management, which streamlines user authentication and enhances security across systems. Microsoft Entra ID is a prerequisite for the Receipts cloud environment and must be purchased separately.

Flow





Microsoft Entra ID

Requirements ^{1,2}	<ul style="list-style-type: none">• Microsoft Entra ID is a prerequisite for Kinective Receipts cloud environments. Microsoft Entra ID is formerly known as Microsoft Azure Active Directory.• Institutions are responsible for purchasing and managing their own Microsoft Entra ID account.• Microsoft Entra ID premium licensing tiers (P1 and P2) and Microsoft Entra ID Free are supported.
Configuration	<ul style="list-style-type: none">• This information must be provided by the institution:<ul style="list-style-type: none">◦ Domain name associated with the institution's Microsoft Entra ID account◦ Email address of the institution's Microsoft Entra ID global administrator
Integration	<ul style="list-style-type: none">• Kinective Receipts integrates with Microsoft Entra ID using Microsoft Graph API to securely manage user identity and access.• Before an institution can use Kinective Receipts' cloud environment, Kinective sends a consent request to the institution's global administrator. This step ensures that Kinective Receipts has the required permissions to perform secure authentication and access management while maintaining compliance with Microsoft's identity management protocols.<ul style="list-style-type: none">◦ The consent request includes two Microsoft links: one link for Kinective Receipts and one link for Kinective Receipts client applications. The global administrator must click both links and accept the requested permissions to allow Kinective Receipts to connect to the institution's Microsoft Entra ID account.◦ Once the institution's global administrator approves the consent request, only users within the institution's authorized domain are permitted to access Kinective Receipts.
Data Security	<ul style="list-style-type: none">• Kinective Receipts receives access to basic user profile information, such as email address, manager, and user groups.• Kinective Receipts does not receive passwords or sensitive data from Microsoft.

1. For details about Microsoft Entra ID, refer to Microsoft's website: <https://www.microsoft.com/en-us/security/business/identity-access/microsoft-entra-id>.
2. Institutions without a Microsoft Entra ID account should consult Microsoft Entra Plans and Pricing and contact Microsoft for any additional details: <https://www.microsoft.com/en-us/security/business/microsoft-entra-pricing>.

Workstation Requirements

Hardware	<ul style="list-style-type: none">• Intel Core i5, 8GB RAM recommended; Intel Dual Core 3.0GHz, 4GB RAM minimum• 20GB+ free disk space• Display resolution 1920 x 1080 recommended; 1280 x 960 minimum
Connectivity	<ul style="list-style-type: none">• Receipts and ReceiptsPlus connecting via HTTPS• Receipts Client connectivity to Receipts cloud application
Supported OS	<ul style="list-style-type: none">• Windows 11 and Windows 10• Pro and Enterprise Windows versions are supported.
Supported Web Browsers	<ul style="list-style-type: none">• N/A
Software	<ul style="list-style-type: none">• .NET Framework 4.8• Microsoft Visual C++ 2015 or later



Internet Bandwidth Requirements

Receipts bandwidth requirements are based on all server calls that are typically involved in a single transaction. A transaction consists of the following calls:

- Transaction creation from customer data
- Acquisition of
 - Signature
 - Scanned images
 - Denominations
 - Identification
 - Memo
- Transaction printing and notifications
- Transaction archiving

Currently, it is estimated that a single transaction lifecycle will consume up to 0.2 megabits. A transaction lifecycle typically lasts for approximately 10 seconds, yielding 0.02 megabits of data per second (Mbps).

The following table shows recommended internet bandwidth provisioning based on Receipts bandwidth use.

Concurrent Transactions per Branch (per Second)	Data Required (Mbps)	Recommended Internet Bandwidth Provisioning (Mbps) ¹
5	1	10
10	2	20
20	4	50

1. Recommendations are based on average estimated business network traffic in addition to Receipts. Additional business application network usage may impact Receipts performance and may require additional bandwidth.



Signature Capture Hardware Requirements

Refer to the Kinective Device Order Form to purchase the latest supported Topaz and Wacom hardware:

<https://www.kinective.io/esignature-device-order-form/>.

Hardware

- Topaz LCD Signature Pads
- Touch-Capable Systems
 - Windows Pro Tablets
 - iPad¹
 - Wacom²
 - Topaz GemView²
 - Verifast³
- Smartphone⁴

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1. iPads must be configured and fully functional on the institution's network before use.
 2. Recommended for the best consumer experience. Not supported on Thin Client Configurations.
 3. Fiserv Verifast module and Verifast tablet are required.
 4. A ReceiptsPlus subscription is required. Customer must have access to a smartphone to use this service.

Scanning Requirements

Receipts server and client components must be installed first in order to use a scanner. The following scanners are supported. Refer to the Kinective Device Order Form to purchase the latest supported scanners:

<https://www.kinective.io/esignature-device-order-form/>.

Hardware

Canon Scanners

- Ranger drivers are required.
- Not supported in thin client configurations

Digital Check Scanners

- Ranger drivers are required.
- Supports USB, Ethernet, and IP
- IP connection required for thin client configurations

MagTek Excella Scanners

- Ranger drivers are required.
- Supports USB and Ethernet

Other Scanners

- Consult your Kinective representative for details about other scanning options.



Printer Connectivity

- Receipt Printing
 - A supported Thermal Printer, USB or Ethernet (comes with internal Ethernet card if ordered accordingly)
 - Thermal paper is required. Please contact Kinective.
- Report Printing
 - HP Laser Printer connectivity to the workstation (network or local)

Supported Printer Requirements

Printer	Printer Settings	Receipts Settings
Epson TM-S9000MJ	Printing Layout: User Defined Height: 2100	Receipt Style: Narrow ¹
Epson TM-S9000II-MJ	Printing Layout: User Defined Height: 2100	Receipt Style: Narrow ¹
ReceiptNOW Elite ²	No Changes	Receipt Style: Narrow ¹
Canon RP10	No Changes	Receipt Style: Narrow ¹
Star MCP30	No Changes	Receipt Style: Narrow ¹
Star TSP100	No Changes	Receipt Style: Narrow ¹
Star TSP700	No Changes	Receipt Style: Narrow ¹
Star TSP800	No Changes	Receipt Style: Wide

- Narrow printing in landscape orientation does not support using a second logo.
- The ReceiptNOW Elite printer supports IP connection.



Supported Thin Client Configurations

Note: Only IP scanners are supported.

Citrix Virtual Apps	Server	<ul style="list-style-type: none">Version 7 2203 and 7 2112
	Client	<ul style="list-style-type: none">Receipts Client must be launched as an administrator in Citrix environments.Via RDP: Thick client or WYSE Terminal running Windows Embedded OS TerminalsSignatures supported with Citrix or Windows CDS (Citrix Device Service) only
VMware Horizon (VDI)	Server: VMware Horizon 8 2212 and 8.4.1	<ul style="list-style-type: none">Client: VMware Horizon on either thick client or a VMware Horizon device
Remote Desktop Services	Server: Windows Server 2022 and 2019 (64-bit) host configured for Terminal Services	<ul style="list-style-type: none">Client: Thick client via RDP or any WYSE device running Windows Embedded OS Terminals

Agent Requirements

If using the Archive Agent, Member Import Agent, or Verifast Agent, refer to the requirements listed here.

Dedicated Environment	<ul style="list-style-type: none">Agents must be installed on one dedicated server.If using a test environment, all test agents must be installed on another dedicated server.
Software	<ul style="list-style-type: none">.NET Framework 4.8For Archive Agent, Adobe Reader is required to view archived PDFs that are stored locally in the configured archive path (e.g., C:\PDF). The archive path should be created manually on the server where Archive Agent is installed, and you must have Read/Write permissions for that folder.