ESSENTIAL
SOFTWARE SOLUTIONS INC.

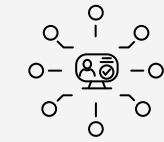# CLOUD ERP VS ON PREMISE ERP COMPARISON CHART

2024

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![ESS Essential Software Solutions Inc. logo]

On-Premise VS Cloud (SaaS)
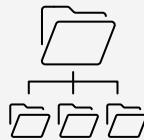
Accessibility

On-Premise: The software can accommodate users not being physically present in the office as they can be connected through internet-connected VPN or RDP and Virtual Machine set-ups.

Cloud (SaaS): Cloud-based ERP allows users to access the system from any device with an internet connection.

Data Access

On-Premise: Data is stored on internal servers, enabling direct control over sensitive information, and/or performing complex queries, reporting and customizations.

Cloud (SaaS): Cloud solutions store data in secure data centers, ensuring data accessibility (in a Private cloud) and disaster recovery options. Services may be offered to enhance data access – ie Big Data, Data Lakes, BI, etc.

Customizations

On-Premise: On-Premises solutions commonly offer more flexibility for customization to meet specific business needs.

Cloud (SaaS): Multi-tenant, Cloud ERP may have limitations on customization to ensure a standardized environment for all users. Private Cloud offers more flexibility for customizations but may have some limitations.
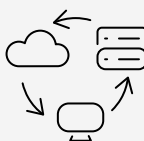
Data Security

On-Premise: Security is reliant on the customer and/or IT.

Cloud (SaaS): High level security afforded by the Hosting service - AWS, Azure, etc.

Integrateability

On-Premise: Use of API's and custom integratations permitted. Mix of Cloud and On-Prem Services

Cloud (SaaS): Integrations are problematic in a multi-tenant environment, however, are permitted in a Private Cloud. Must involve Hosting Service. Can mix cloud and on-prem services. Will want to limit amount of integration points

Security Data Management

	On-Premise	Cloud (SaaS)
Data Management	Organizations have direct control over their data and can implement their own security measures.	Cloud ERP providers invest heavily in security measures, including encryption, access controls, and regular backups.
Compliance Controls	Businesses must ensure compliance with industry regulations and standards.	Leading cloud providers comply with industry regulations and offer certifications, easing compliance burdens for businesses.

Upgrades and Maintenance

	On-Premise	Cloud (SaaS)
Upgrades	Organizations are responsible for managing and executing software upgrades, which can be time-consuming and disruptive.	Cloud ERP providers manage software updates and upgrades, ensuring users have access to the latest features and enhancements.
Unplanned Downtime	Performing maintenance tasks can result in system downtime, impacting business operations.	Cloud-based solutions often deploy upgrades seamlessly, reducing downtime and disruption to business processes. However as upgrades are automatic and forced, continual education on the new versions is required (even if the new functionality is not appropriate for your requirements).

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