

Table of Contents

- ERP Softwares
- SIM: Network
- Security

ERP Softwares: I found that Oracle Netsuite, MS Dynamic 365, and Oracle Cloud are the best ERP Softwares on the market.

Oracle NetSuite	MS Dynamic 365	Oracle Cloud
Customer Experience: Are less crowded, and mixed	Customer Experience: Very large buyers, resellers, and highly system integrators	Customer Experience: Full public cloud access to the user.
Implementation: Less customizations	Implementation: Complex, and hard to use UI	Implementation: More customization, and security offered.
Less functionality		
It is also a SAAS, and has medium cloud services	Functionality, I would say Medium, on a scale 6-7	High Functionality
Flexibility, yes because it is a SAAS system, so common system.	Has less cloud, because they were converted to cloud now, before using GPN, and Axapta.	Gives out unique security, and terms with regulations, and high firewalls with cloud environments.
Provides scalability via standardization since it wasn't personalized for some parts of a company	Cloud system so more customizations over Flexibility	Gives more flexibility b/w cloud and customers are Oracle Cloud
Organization is very small-medium size	Has a greater breadth of functionality to address more diverse business processes	You can take advantage to your liking about the Oracle Cloud.
	Organization is med-large.	Large size corporation.

Based on the information above, the best I would think is the Oracle Cloud, because when it comes to security like Carli said Cloud would be the best fit, and you can customize the Cloud as we wish in Oracle Cloud, and also provides Scalability, Flexibility, and Security.

Below are the images attached for deeper analysis in page 5

SIM Network:

Scalability: We can add delivery system because more packages can be delivered by adding more delivery vehicles. More staff so more people can help if there are any customers if needed help, more servers so they can take traffic from online sources from the website. Daily maintenance to the server so they do not overheat from the server room.

For System Requirements: We can add testing tools, security, train the staff so they know how to handle the system, use a high-end security software with a decent pay, Oracle Cloud to store the data from the AW so that anyone from the AW can access it and make some changes if needed.

For the network, it would be best to go with star topology because they are fast and reliable since they only depend on single-hop features.

For processing I think it is best to go with online processing since everyone is mostly online, we can add more servers to take traffic and buy appliances from AW with no lags.

Security: To protect the servers and machines, we will need....

1. Take inventory of what we have every evening before the store's closing hours.
2. Gather the testing tools
3. Make sure everyone knows their role for the servers and the machines
4. Automated scans so we can rule out that every machine is there, and scan for any bugs in the servers
5. Sometimes automated doesn't cover everything, so run manual analysis too.
6. Focus on main and vulnerabilities in the machines and servers so if we can get them fixed, its easy to focus on the smaller pieces.
7. Source code analysis by a technician
8. Lastly run again and make sure everything runs smooth.

Comparisons for ERP Softwares: Deeper Analysis

			
OVERVIEW			
PRODUCT NAME	Oracle ERP	Dynamics 365 for Operations	NetSuite ERP
BUSINESS SECTORS			
DISTRIBUTION	✓	✓	✓
GOVERNMENT & NPO	✓	✗	✓
MANUFACTURING	✓	✓	✓
RETAIL	✓	✓	✓
SERVICES	✓	✓	✓
INDUSTRY			
AEROSPACE & DEFENSE	✓	✓	✓
AUTOMOTIVE	✓	✓	✓
CHEMICAL	✓	✓	✓
CONSTRUCTION	✓	✓	✓
COSMETICS	✓	✓	✓
ELECTRONICS	✓	✓	✓
ENERGY/POWER/UTILITIES	✓	✗	✓
ENGINEERING	✓	✓	✓
FASHION	✓	✓	✓
FINANCIAL SERVICES	✓	✗	✓
FOOD & BEVERAGE	✓	✓	✓
LOCAL GOVERNMENT	✓	✓	✓
MEDIA	✓	✓	✓
MEDICAL & HEALTHCARE	✓	✓	✓
METALWORKING	✓	✓	✓
OILFIELD	✓	✓	✓
PACKAGING	✓	✓	✓

PAINT & ADHESIVES	✓	✓	✓
PHARMACEUTICAL	✓	✓	✓
PLASTICS & RUBBER	✓	✓	✓
PRINT & DESIGN	✓	✓	✓
RENTAL	✓	✓	✓
TELECOMMUNICATIONS	✓	✓	✓
WOODWORKING	✓	✓	✓
CANNABIS	✗	✗	✗
EDUCATION	✗	✗	✗
NONPROFIT	✗	✗	✗
ERP SOFTWARE FEATURES			
BILLING	✓	✓	✓
BUSINESS INTELLIGENCE/ANALYTICS	✓	✓	✓
COSTING	✓	✓	✓

CRM	✓	✗	✓
CUSTOMER SERVICE	✓	✗	✓
PRODUCT DESIGN	✓	✗	✗
FINANCIALS & ACCOUNTING	✓	✓	✓
HR	✓	✓	✓
INVENTORY MANAGEMENT	✓	✓	✓
ORDER MANAGEMENT	✓	✓	✓
PLANNING & SCHEDULING	✓	✓	✓
PROJECT MANAGEMENT	✓	✓	✓
PURCHASING	✓	✓	✓
QUALITY CONTROL	✓	✓	✓
SALES	✓	✓	✓
SHIPPING & DISTRIBUTION	✓	✓	✓
SUPPLY CHAIN MANAGEMENT	✓	✓	✓

WAREHOUSE MANAGEMENT	✓	✓	✓
ASSET MANAGEMENT	✓	✓	✓
DOCUMENT MANAGEMENT	✓	✗	✗
CUSTOMER SUITABILITY			
ENTERPRISE (1000+ EMPLOYEES)	✓	✗	✗
MEDIUM SIZE (251-1000 EMPLOYEES)	✓	✓	✓
SMALL BUSINESS (1-250 EMPLOYEES)	✓	✓	✓
ADDITIONAL PRODUCT INFO			
MULTI LANGUAGE	✓	✓	✓
MULTI CURRENCY	✓	✓	✓
CUSTOMIZABLE	✓	✓	✓
MOBILE CAPABILITIES			
ANDROID APP	✓	✓	✓
IOS APP	✓	✓	✓

WEB APP	✓	✓	✓
SYSTEM HOSTING			
CLOUD	✓	✓	✓
INSTALLED ON PREMISE	✓	✓	✗
REVIEWS			
REVIEW SCORE			
OTHER INFORMATION			
PRICING	\$1,200		Starting at ~\$10K/year