

### Standard ERP architecture

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Standard ERP operates in a three-tier architecture: Clients, Server and Cloud.

- Clients - We have Windows, MacOS, Android and iOS native apps and a Web client
- Standard ERP server - Single instance with all of the components built in - including the database and web server.  
Supported server operating systems: MacOS, Windows, Linux.
- Cloud - MyStandard and Cloud Nodes are tools for remote hosting, server, user and subscription management.

### Network Infrastructure

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Standard ERP clients and servers communicates using TCP/IP networking and has relatively low bandwidth requirements.

For the best user experience, we recommend a low latency environment.

### Database and Security

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- HansaWorld has its own proprietary database.
- We maintain military grade encryption levels.
- Our system is regularly tested by external independent companies using penetration testing.
- We are ISO27001 certified.
- We have zero data breaches reported for over more than 30 years.
- Hardware resources needed are lower by far compared to any other commercial Database on the market.

### Integration technologies and APIs

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Supported methods of data exchange with Standard ERP database:

- All the data can be accessed with Rest API
- Data file export and import
- SQL shadowing

Besides easily customisable business logic, Hansa Application Language (HAL) enables the tools for:

- USB and COM port device integrations
- HTTP Request integrations
- File-based integrations

### Backups and Reliability

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To ensure business continuity Standard ERP server can have daily backups, hourly database copies and database changes journal that can be applied to avoid any data loss.

Cloud tools enable customer to have mirrored live and test systems.