



Infor CloudSuite Aerospace & Defense Solution Overview

Release 11.x

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About this guide

This document includes a high-level explanation of Infor CloudSuite™ Aerospace & Defense and a summary of the products that are included in this CloudSuite. It also includes information about configuration, personalization, and integration options.

Related documents

To access the documents for this release, go to [Infor Documentation Central](#) and select the link for your CloudSuite.

Contacting Infor

If you have questions about Infor products, go to Infor Concierge at <https://concierge.infor.com/> and create a support incident.

The latest documentation is available from docs.infor.com or from the Infor Support Portal. To access documentation on the Infor Support Portal, select **Search > Browse Documentation**. We recommend that you check this portal periodically for updated documentation.

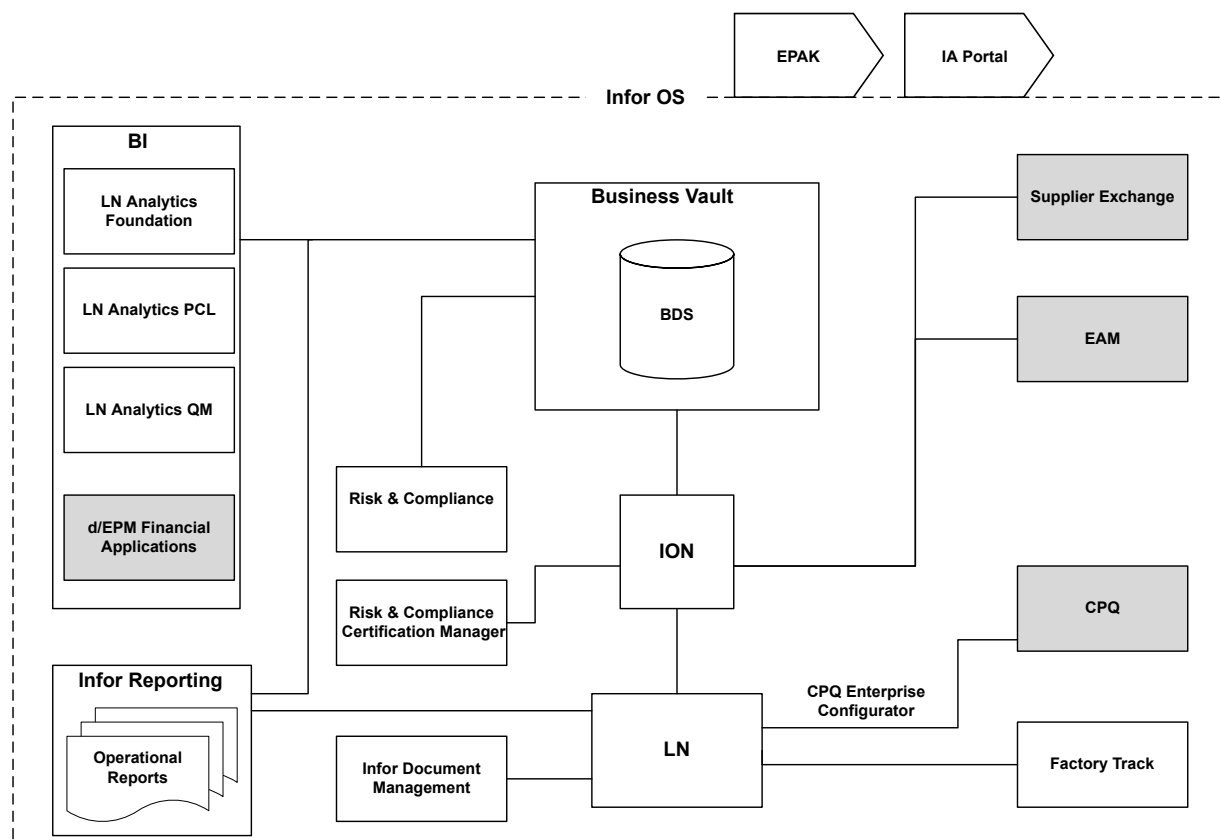
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Chapter 1: CloudSuite overview

Infor CloudSuite Aerospace & Defense (A&D) is a solution that contains multiple applications, including core applications and high-value applications. All of these applications are delivered in the cloud. This cloud-deployed suite address the unique business requirements in the aerospace & defense (A&D) industry.

This CloudSuite is a single tenant solution, which is available through a subscription-based (SaaS) delivery model from Amazon Web Services (AWS).

This diagram shows the applications for this CloudSuite and how they are integrated:



Application versions

For information about the required versions of the applications in this CloudSuite, see the release notes for this CloudSuite.

Chapter 2: Core applications

The core solution includes products that are used by most companies in the aerospace and defense industry and is offered by Infor as an integrated solution.

This CloudSuite includes these core applications:

- Infor LN
- Infor Factory Track
- Infor Risk & Compliance
- Infor Risk & Compliance Certification Manager
- Infor Operating Service
 - Infor Ming.le™
 - Infor ION
 - Infor Document Management
- Infor Business Vault
- Infor Business Vault Base Data Store
- Infor BI
- Infor LN Analytics Foundation
- Infor LN Analytics Program Cost Ledger
- Infor LN Analytics Quality Management
- Infor Reporting
- Infor Reporting Business Vault Operational Reports
- Infor EPAK
- Infor Implementation Accelerator

Business applications

Infor LN

Infor LN is the backbone Enterprise Resource Planning (ERP) component that provides the core functionality to support the business processes and functions in an organization.

LN is a global ERP solution that supports multinational requirements and complex organizational structures such as multisite and multicompany environments.

LN is a flexible, modular solution for industrial enterprises with a focus on discrete manufacturing. The manufacturing functionality supports various types of manufacturing, including make to stock, make to order, engineer to order, configure to order, and assemble to order. Under assemble to order, the items in an order can be assembled individually, in combination, or all at one time. LN includes various modules such as financials, sales, purchasing, logistics, freight, and service.

LN complies with many national and international business practices and legal requirements, supports multiple currencies and languages, and helps to build successful international operations in today's global environment.

Infor Factory Track

Infor Factory Track is a comprehensive production automation solution designed specifically for the manufacturing industry. Manufacturers can manage inventory, track labor, and automate the time and attendance operations using the Factory Track application. The solution is built on Mongoose, an innovative, rapid application-development-technology platform that enables you to easily enhance and extend core applications.

Factory Track comprises of three modules:

- The Shop Floor module is a work center automation solution that provides paperless manufacturing capabilities. Shop Floor delivers a kiosk-based solution that can be accessed by multiple production floor operators to track labor, Report job operations, and track work-in-progress and finished goods. Collects time and attendance data and can be fully integrated into labor collection.
- The Warehouse Mobility module delivers a real-time inventory management solution with barcode support for ease of use. Using Warehouse Mobility, manufacturers can automate various inventory operations, such as receiving, material movement, cycle counting, and issuing of material.
- The Time Track module is a comprehensive time and attendance application. Because nearly every manufacturer has specific attendance and labor rules, Time Track provides a configurable solution that allows organizations to set up rules concerning attendance and labor, such as shift duration, labor management, absence management, and timesheet tracking.

Infor Risk & Compliance

Infor Risk & Compliance is an Enterprise Controls Management product that enables everyone with a stake in corporate compliance to ensure that controls are in place and working.

Plain business rules instead of complex codes ensure that auditors, security specialists, and business managers understand the existing controls and how they operate.

At a broader level, Infor Risk & Compliance can be used to perform these tasks:

- Extract ERP application data
- Analyze the extracted data

- Report violations or exceptions identified during analysis

Infor Risk & Compliance goes far beyond simple control tracking. Users are notified immediately about risky configuration settings, policy violations, as well as risks in their business processes. Hence, problems can be rectified quickly.

Logically, Infor Risk & Compliance can be divided into these parts:

- Infor Risk & Compliance Platform
The Platform lies at the core and comprises the data extraction, rules, and reporting engines.
- Infor Risk & Compliance Insights
Insights provide the predefined, highly configurable content offerings that inform you about what each user can do within your ERP systems.

Infor Risk & Compliance helps companies to reduce business risks, increase operational efficiency, and reduce the costs of ensuring compliance with governmental regulations and corporate standards.

Infor Risk & Compliance Certification Manager

Infor Risk & Compliance Certification Manager automates the end-to-end process of reviewing users and roles across ERP systems, and rules and owners of compensating controls and other business applications. Risk & Compliance Certification Manager also enables you to create custom review processes to review virtually any type of certification process.

Risk & Compliance Certification Manager gathers data for each review from enterprise applications, databases, directories and other sources. Next, it routes the information to the appropriate reviewers, tracks actions taken, facilitates sign-off by senior management and maintains a complete record for auditors.

Email notifications remind the reviewers to log into the application, review their tasks and take action. Process owners are kept informed about progress of the reviews, with automated escalation and intervention when deadlines are missed.

For example, consider a business case where an organization plans to perform a Role or a User annual review, for every division, by a Data trustee. Considering that the organization has more than 15000 Primary ERP Roles and 4098 User Accounts, each single stage review by the Role Owner will take approximately two weeks time to complete. However, with the Risk & Compliance Certification Manager application, the same task can be performed within a much shorter time frame with more stages added to the review process.

At a broader level, Risk & Compliance Certification Manager is used to perform these tasks:

- Define a review process
- Review and manage review objects to reduce risk and prevent fraud
- Obtain approval from assigned reviewers for the review objects
- View accurate and easy-to-understand summaries of review processes
- Generate reports that serve as certification evidence for external auditors
- Report on active and completed review processes

Technology

Infor Operating Service

Infor Operating Service (OS) is a technology platform that supports fully integrated, industry-specific solution suites with mobile-first design, a consumer-inspired user experience, and science-driven analytics. It leverages the convergence of information, analytics, cloud computing, mobility, and social business.

This platform includes these products:

- Infor Ming.le
- Infor ION
- Infor Document Management

Infor Ming.le™

Infor Ming.le is a web-based application framework that provides a common user interface for Infor applications, third-party applications, and in-house developed applications integrated through Infor ION. It is a centralized platform for social collaboration, business process improvement, and contextual analytics.

Infor Ming.le provides drill-back capability so that users can navigate across the applications to track transactions, the transfer of data, and report updates. Additionally, Infor Ming.le provides an infrastructure for sharing content with context applications.

Infor Ming.le uses Homepages, configurable by users to organize information and activities at a high level to focus on critical areas of concern.

Within Infor Ming.le, you can use ION API, a managed API layer across all applicable Infor and non-Infor APIs, allowing existing APIs to be presented in a standardized, managed, and controllable way.

Infor Ming.le uses Infor Federation Services (IFS) for centralized authentication.

Infor Ming.le is available as a mobile app, supported by iOS, Android™, and Windows Mobile operating systems.

Infor ION

Infor ION is a business process management platform that integrates applications, people, and business processes. The Infor ION platform converts data into the common language of standardized XML to enable disparate business systems such as Infor products, third-party applications, and in-house developed applications to share information.

Infor ION simplifies the connectivity and data sharing across the connected applications. It enables users to configure a routed infrastructure, set up workflows, design and activate business event monitors, and manage tasks and alerts.

Infor Document Management

Infor Document Management is an integration platform that enables you to take advantage of document solutions already in use within your organization.

Document Management is used to integrate your documents with your business processes and to provide a central repository for them. Soft links are used, based on document metadata, to provide integration between your documents and your Infor ERP solution. You can view a document from within the context of your application, or click a document link to retrieve the document from the central repository.

Document Management supports the entire lifecycle of your business documents, from input through storage, retrieval, and sharing.

Analytics and reporting

Infor Business Vault

Infor Business Vault is a software platform for data acquisition and enrichment. The business data repository contains one or many data stores populated by Business Vault software, and the data stores are available for searching data, running reports, and synchronizing data.

Infor Business Vault Base Data Store

The Infor Business Vault Base Data Store is a reporting database for the Infor Business Vault.

Infor BI

Infor Business Intelligence (BI) supports all typical internal and external business intelligence requirements.

Infor BI is the technical platform for these purposes:

- Standard reporting

- Flexible ad-hoc analysis
- Dashboard
- Strategic planning, budgeting and forecasting
- Scenario-analysis and predictive analysis
- Statutory and management consolidation

The Infor BI solution suite is predominantly used where highly specific business needs must be fulfilled. Usually, the solution is based on a multidimensional OLAP approach.

Infor LN Analytics Foundation

Infor LN Analytics Foundation is part of the LN Analytics content package. It is an analytics solution that provides predefined dashboards and detailed analysis reports for the business areas and industries in which LN customers operate.

In addition, this analytics solution provides functionality to define ad hoc analytics by using the Infor BI technology platform and near real-time data from Infor LN. The BI technology platform includes Infor BI OLAP, Infor BI Application Studio, Infor Business Vault, and Infor BI Dashboards. Users can define their own dashboards with report and chart widgets.

Infor LN Analytics Program Cost Ledger

Infor LN Analytics Program Cost Ledger (PCL) is part of the LN Analytics content package and enables the analysis and tracking of a program, project, or contract at any point in time.

Infor BI technology platform enables PCL users to perform ad hoc analysis of data that is sourced from Infor LN. PCL provides historical, current and predictive views of program, project, or contract transactions by means of chart widgets.

PCL gives users the ability to create their own KPIs as widgets and to define their own dashboards based on their specific needs. PCL also facilitates the generation of consolidated reports such as expected costs, actual costs, planned dates, actual dates, expected schedule, and actual schedule.

The content delivered in PCL is part of the overall solution that Infor LN provides to its customers and is specific to the industries in which customers operate.

Infor LN Analytics Quality Management

Infor LN Analytics Quality Management (QM) is part of the LN Analytics content package. The solution delivers specific Quality KPIs that enable customers to analyze, in detail, the causes of nonconformance. The data is visualized in various standard Quality content KPI widgets, as well as in the Quality Manager Dashboard overview.

Using Infor BI technology, customers are able to personalize dashboards with standard delivered or user-created KPIs, and to generate Quality consolidated reports.

Infor Reporting

Infor Reporting is a reporting environment that provides platform and reporting content for relational reporting. Report content is provided for many applications.

Infor Reporting is integrated with Infor Ming.le, and the user interface provides navigation to view and work with report content. Infor Reporting includes templates that your professional report authors can use to build reports and provides components specific to your Infor business applications.

Infor Reporting Business Vault Operational Reports

Infor Reporting Business Vault Operational Reports includes the Infor Reporting reports.

Business Vault Operational Reports comprises these components:

- Reporting packages, folders, and reports. The reports are organized by functional area such as Accounts Payable, Accounts Receivable, General Ledger, Purchasing, and Sales.
- Application-specific objects to support Infor Reporting.
- Drill back to ERP applications for master data and transactions.

Education and implementation

Infor EPAK

Infor Enterprise Performance Accelerator Kit (EPAK) provides the tools, processes, and training required for employees to learn and comply with new business processes. EPAK's core components are end-user training and application simulations, which can be used in every phase of an implementation or upgrade application cycle.

EPAK is used during these phases:

- Pre-implementation
To evaluate functionality, conduct user acceptance testing, perform business process reviews, and submit approvals in a consistent format.
- Implementation

To provide tools for instructor-led and web-based training, and for usage tracking and user acceptance training.

- Post-implementation

To deliver job aids, product assistance, simulations, application coaching, and usage tracking.

The EPAK solution provides a single platform for all process and software evaluation documents, and tools to increase employee productivity. It contributes to a successful deployment of an implementation or upgrade, and decreases the time to achieve return on investment.

Infor Implementation Accelerator

Infor Implementation Accelerator (IA) is a streamlined implementation methodology, managed by Infor Consulting Services (ICS), that includes a solution to integrate all of your core processes. IA can be the final step, or the first step, in an ongoing process improvement. As your business changes and grows, the scale and scope can be extended and other applications can be integrated.

IA packages best practices in a repeatable, directive implementation approach to get you up and running on the core solution, with predictable costs and defined scope.

IA includes a preconfigured company structure, which is the foundation for the implementation of the CloudSuite and is duplicated to fulfill training, migration, and production environments. The company structure is loaded with predefined business processes, which provide you with a graphical view of the business flow across the company.

These steps summarize the implementation process with IA:

- 1 Start with the preconfigured company structure.
- 2 Confirm that the predefined and preconfigured business processes work for you.
- 3 Load your legacy data.
- 4 Start testing and validating the business processes.
- 5 Extend data sharing between companies as required.

Implementation Accelerator for Aerospace and Defense

Implementation Accelerator for Aerospace and Defense is a preconfigured solution targeted at aerospace and defense companies. This Implementation Accelerator solution provides a foundation that covers a company's core needs and processes. It also is the basis for future growth and improvements.

Using this accelerator reduces and streamlines the steps required to implement this solution. It helps you to save time and money, and takes the guesswork out of deploying the CloudSuite Aerospace & Defense (A&D) solution for A&D companies. The result is an affordable solution that can meet today's requirements and potential for tomorrow. It also provides the possibility for a faster ROI and time-to-benefit that is measured in weeks instead of months or years.

These process categories (level one) with one or multiple cross functional end-to-end business processes are included:

- Bid to Contract
- Contract to Deliver
- Program to Profit
- Design to Release
- Plan to Inventory
- Source to Receive
- Issue to Resolution
- Record to Report
- Aftermarket Service and MRO
- Order to Deliver

The process categories include a preconfigured set of business processes of these types:

- Initial company structure preparation for business process testing
- Industry-specific transactional business processes

The business processes cover this core functionality:

- Opportunity and Bid Management
- Contract Management
- Program and Project Management
- Product Development
- Sourcing and Procurement
- Planning and Scheduling
- Materials Management
- Production Management
- Call Management
- Quality Management
- Service Management
- Financial Management

Chapter 3: Add-on applications

To extend your CloudSuite solution with more advanced capabilities, you can add these add-on applications:

- Infor CPQ
- Infor EAM
- Infor Supplier Exchange
- Infor d/EPM

Infor CPQ

Infor CPQ (CPQ) enables the handling of configured products or services, and supports most types of user or application.

Infor CPQ includes these features:

- A product, sales, pricing, and process configurator that integrates with your web, mobile, enterprise, desktop, and laptop systems. You can capture and share all the knowledge about your customizable products on any device.
- Product modeling, which makes selection and configuration of complex products intuitive and error-free. The rules, constraints, and associated data in product models are processed based on inputs from the user interface or other applications.
- Deployment of the configurator for a specific function or across all available applications and computing platforms.
- Selection, configuration, and pricing of products by your sales people and customers, while ensuring that only valid combinations of features, options, and dimensions are created, quoted, and ordered.

Infor EAM

Infor EAM is a configurable asset management solution.

EAM enables you to improve capital asset management in ways that increase reliability, enhance predictive maintenance, ensure regulatory compliance, reduce energy usage, and support sustainability initiatives.

EAM provides you with flexibility to focus on the specialized industry requirements that can turn your company's asset management into a competitive advantage.

You can use EAM to perform these tasks:

- Maintenance
Schedule preventive maintenance and assign resources.
- Uptime
Determine where and why your capital assets might fail, and plan alternatives.
- Reliability and risk management
Predict equipment reliability problems to prevent them from happening.
- Inventory and warranty
Reduce inventory and purchasing costs, and collect on warranty-related claims.
- Strategic planning
Manage your assets to meet corporate performance goals.

Infor Supplier Exchange

Infor Supplier Exchange is a complete solution for streamlining two-way communication of procurement and performance information between your organization and your suppliers.

Supplier Exchange is an advanced, web-enabled SCM solution that supports effective collaboration with your suppliers and efficient execution. It helps you to reduce supply chain costs and inventory, and to increase operational efficiency. Supplier Exchange provides visibility over your supply chain, streamlines your communications with partners, and creates powerful, real-time data connections.

Supplier Exchange includes these features:

- Supply chain management
Event management, alerts, supplier fulfillment, shipping, receiving, payment, outside processing, premium freight, global track and trace (GTT) and document management.
- Automotive replenishment
Procurement methods: Supplier-managed inventory (SMI), releases, purchase orders (POs), proposed purchase orders and eKanban.
Supplier fulfillment: Advanced Shipping Notices (ASNs), Bar Code Labels, Shipping Documentation.
- Supplier performance
Supplier ratings, supplier action plans, corrective action, root cause, defective material notices (DMNs), delivery performance reviews (DPRs), and production part approval processes (PPAPs).
- International features
Support for multiple currencies and multiple languages.

Infor d/EPM

Infor d/EPM is a suite of financial applications that run on the Infor Business Intelligence (BI) platform. It includes applications that address requirements for budgeting and planning, capital planning, financial consolidation, and strategy management.

The d/EPM business applications are Infor Budgeting & Planning and Infor Workforce Planning.

Chapter 4: Extending the CloudSuite solution

Administrators and end users can extend your CloudSuite solution by using extensibility options. You use these options to add or modify core application functionality or to change the look and feel of the core application. Without direct access to the application database, source code, underlying system objects, or servers hosting the application, you can use extensibility options to change user interfaces, data models, business logic, reports, analytics, and integration points.

This table shows the types of extensibility options that are available for this CloudSuite:

Type	Description	Examples
Personalize	Modify the look, feel, and flow of an application	Themes, labels, titles, navigation, accessibility, help, and branding
Tailor	Modify elements in an application	New fields in existing tables, report layouts, objects, functions, properties, default values
Extend	Add new application functionality, including new logic, screens, or data	New UI elements and non-UI elements, including tables and business objects
Integrate	Add new integration components	BODs, Web Services

Extensibility tools overview

This table provides an overview of the ways in which this CloudSuite can be extended and the tools that are available for making extensions.

Tool	Extension	Audience	Product or component
User interface in standard LN screens	Personalize the application (look and feel)	End user	Infor LN
	Specify Customer Defined Fields (CDFs)	Customer administrator	Infor LN

Tool	Extension	Audience	Product or component
LN Extension Modeler	- Add (customer defined) fields, options, and logic to existing forms, menus, Infor Reporting reports, and BODs - Add field hooks and table hooks to existing tables	Customer administrator	Infor LN
LN Studio	- Create new tables, domains, labels, screens, sessions, modules, libraries, messages, etc. - Create new BODs and Web Services, and call SOAP Web Services from extensions	Customer administrator	Infor LN
Infor LN Report Designer	Modify Infor LN reports	Customer administrator	Infor LN
Report Studio	Modify Infor LN reports	Customer administrator	Infor Reporting

Personalizing

Personalization options are used to modify the look, feel, and flow of an application. Users must be granted permissions to access these features.

Infor LN

On-site administrators can choose those users who will have access to LN personalization options.

Personalization options can be assigned on these levels for end users:

- Company
- Role
- User

This table shows the options that are available for personalization by end users:

Personalization	Description
Conditional formatting	Format (grid) rows or individual fields based on user-defined conditions
Field location	Move fields within a tab on the same screen
Display or hide fields	Hide or unhide fields
Mandatory fields	Require input of data in specific fields
Label change	Edit field label descriptions to more meaningful values
Color change	Change the color of field labels to emphasize importance
Saved filters	Save data filters and optionally set a default filter
Toolbar modification	Reorder or remove toolbar buttons, or add commands by using custom buttons
Menu modification	Display or hide application menu items
Saving defaults	Save the values specified in a dialog. Next time the dialog is displayed, the saved values are used
Quick flow	Suppress a dialog that has saved default values
Export to Excel	Export a selection of fields to an Excel spreadsheet and use as preset
Suppress messages	Suppress informational messages
Suppress questions	Suppress question popups using a preset answer

The gear icon, which is available in standard LN screens, is used to make personalizations.

See the *Infor Ming.le-LN Plug-in User Guide (LN UI)* for information about how to make personalizations.

Tailoring

Tailoring options are used to add or modify elements in an application, for example, making changes to screen layouts, objects, functions, properties, and default values.

Infor LN

These options are available for customer administrators to tailor standard Infor LN components:

- Add Customer Defined Fields (CDFs)

- Add (customer defined) fields and logic to existing forms, Infor Reporting reports and BODs
- Add field hooks and table hooks to existing tables

To add CDFs for Infor LN, you use the gear icon in the standard LN screens. You can add CDFs to tables, screens, reports and BODs, and you can specify validation and calculation logic around CDFs.

See the current editions of these guides:

- *Infor Ming.le-LN Plug-in User Guide (LN UI)*, for information about how to add and use CDFs.
- *Infor LN Extensions Development Guide*, for information about CDFs and extensions.

To add functionality to existing Infor LN components, you use the LN Extension Modeler.

You can specify extension points for these components in Infor LN:

- Table
- Session
- Report
- BOD / BDE
- Menu
- Process

In the LN Extension Modeler, you can set properties and hooks for those components. The implementation of the extension point for a component is called an extension. With an extension built for an extension point, you change the behavior of a component. For example, by creating an extension for a session, you can add additional fields to that session.

See the *Infor LN Extensions Development Guide* for information about how to specify extension points and use the LN Extension Modeler.

See the *Infor LN Public Interfaces and Process Extensions Reference Guide* in KB article 2003722 on the Infor Support Portal for the process extensions that can be implemented.

Extending

These options are used to create new functionality, including screens, logic, and data.

Infor LN

Use the LN Studio tool to extend business functionality for Infor LN by, for example, adding new tables, domains, labels, screens, sessions, modules, libraries, and messages.

Infor LN Studio is the Eclipse-based development environment for Infor LN. You create your new components in the LN Extensions (tx) package.

See the *Infor LN Studio Application Development Guide* and *Infor LN Studio Integration Development Guide*, for information about LN Studio and component development.

See the *Infor LN Extensions Development Guide*, for information about how to use LN Studio with extensions.

Integrating

These options are used to create new integration components.

Infor LN

To extend integration functionality for LN by, for example, adding new BODs, Web Services, and connections to SOAP Web Services from extensions, you use the Infor LN Studio tool.

See the *Infor LN Studio Integration Development Guide* for information about how to extend integration functionality with LN Studio.

Reporting

The applications in this CloudSuite produce reports, most of which can be modified by on-site administrators and end users who have appropriate access.

Delivered reports can be copied to a folder and personalized using report authoring tools. Users who generate reports can specify an output file format, such as PDF, XML, CSV, or text. They can then use the output file to make modifications as needed. For example, a report that is output to CSV can be imported to Microsoft Excel where it can be modified.

The reports can be stored for the tenant instance. Many versions of the same report can exist per tenant.

Infor LN

LN provides 2000 native standard reports, which cannot be modified but can be personalized using the Infor LN Report Designer.

These reports can also be replicated as Infor Reporting reports. In addition, 70 standard Infor Reporting reports are already available from LN. These reports can be modified by using the Report Studio tool of Infor Reporting.

These options are available to modify reports:

- Design modifications, such as changing the look and feel of the reports including static or dynamic images and multiple industry standard barcode types.
- Addition of Customer Defined Fields (CDFs) to the reports and of other fields from the LN database that are not yet printed on the report. A simple Report Extension must be added to the LN native report to make the additional fields available for the Infor LN Report Designer or the Infor Reporting report.
- Routing options, as provided by Infor Document Output Management. These options determine where or to whom the reports are sent.

With the LN Report Designer, the design of a 4GL application report can be changed without modifying the standard report or using an external reporting solution. The changes are stored as personalizations, and can be found in the **Report Personalizations (ttadv9507m000)** session. Similar to other personalizations, you can copy them to another user, a personalization or DEM role, or to the company level. To deploy approved personalizations from one environment to another, report personalizations can be exported and imported. When you print a report, the most specific personalization is used.

The LN Report Designer can also be used to generate new reports that are based on a selection of fields from the application data model. These new reports are generated in the extensibility package. After generation, you can personalize these reports in the LN Report Designer.

For more information, refer to these guides:

- *Infor LN Report Designer Development Guide* for information about report personalizations using Infor LN Report Designer.
- *Infor Enterprise Server Connector for Infor Reporting Development Guide* for information about report personalizations using Report Studio.
- *Infor LN Document Output Management User Guide* for information about how to use Document Output Management.

Governance

Cloud readiness must apply to the extensibility options that you specify.

The **Extensions ready for Cloud** parameter determines whether governors are activated that govern your extensions. Consequently, upgradability to new versions of the CloudSuite is guaranteed, no infrastructure data is revealed, and other customers are not affected by your extensions.

Together, these governors guarantee that your extensions work in the Cloud:

- **LN Public Interfaces**
Extensions can call only LN Public Interfaces, previously known as trusted functions or LN APIs. See the *Infor LN Public Interfaces and Process Extensions Reference Guide* in KB article 2003722 on the Infor Support Portal for information about the Public Interfaces that are available.
- **Performance**
Extensions must not affect the infrastructure. For example, the execution time or amount of data written to the file system is restricted for extensions.
- **File system**

Extensions can be written only to specific folders and cannot have all file extensions. For example, writing a file with an “.exe” file extension is not allowed.

- Best practices

Extensions must comply with several database rules. As a general rule, do not use standard components.

See the *Infor LN Extensions Development Guide*, for detailed information about cloud readiness and governance.

Chapter 5: Integrations

This CloudSuite supports these integration types:

- Standard integration
- Integrations with external applications

Standard integration

The base and optional products that are integrated upon installation, require no customization and, in most cases, no configuration. The products integrate with Infor LN through Infor ION, web services, or through a point-to-point method.

Base products

This table shows the integration method for each base product:

Product	Integration method
Infor Factory Track	Web services
Infor Risk & Compliance	ION
Infor Risk & Compliance Certification Manager	ION
Infor Ming.le™	Point-to-point
Infor Document Management	Point-to-point
Infor Business Vault	ION
Infor Business Vault Base Data Store	ION
Infor BI	ION
Infor LN Analytics Foundation	ION
Infor LN Analytics Program Cost Ledger	ION
Infor LN Analytics Quality Management	ION

Product	Integration method
Infor Reporting	ION or point-to-point
Infor Reporting Business Vault Operational Reports	ION

To integrate with Infor LN through Infor ION, these products require integration (point-to-point) with the Infor Business Vault and the Infor Business Vault Base Data Store:

- Infor BI
- Infor LN Analytics Foundation
- Infor LN Analytics Program Cost Ledger
- Infor LN Analytics Quality Management
- Infor Reporting and Infor Reporting Business Vault Operational Reports
- Infor Risk & Compliance

Optional products

This table shows the integration method for each optional product:

Product	Integration method
Infor CPQ	Web services
Infor EAM	ION
Infor Supplier Exchange	ION
Infor d/EPM	ION

To integrate with Infor LN through Infor ION, Infor d/EPM requires integration (point-to-point) with the Infor Business Vault and the Infor Business Vault Base Data Store.

Integrations of external applications

External applications are applications that are not pre-integrated as part of the CloudSuite deployment. These applications include other Infor applications, third-party applications, or applications that you have developed.

This CloudSuite provides options for external applications to access data, update data, and execute logic in CloudSuite applications. Examples of executing logic are changing a status or inserting an order. Additional configuration is required to integrate external applications by using one of these options:

- ION

- Infor Ming.le
- Web Services

References

To access LN integration documentation from the [Infor Support Portal](#), select **LN** and browse the documentation in the **Integrations** category.