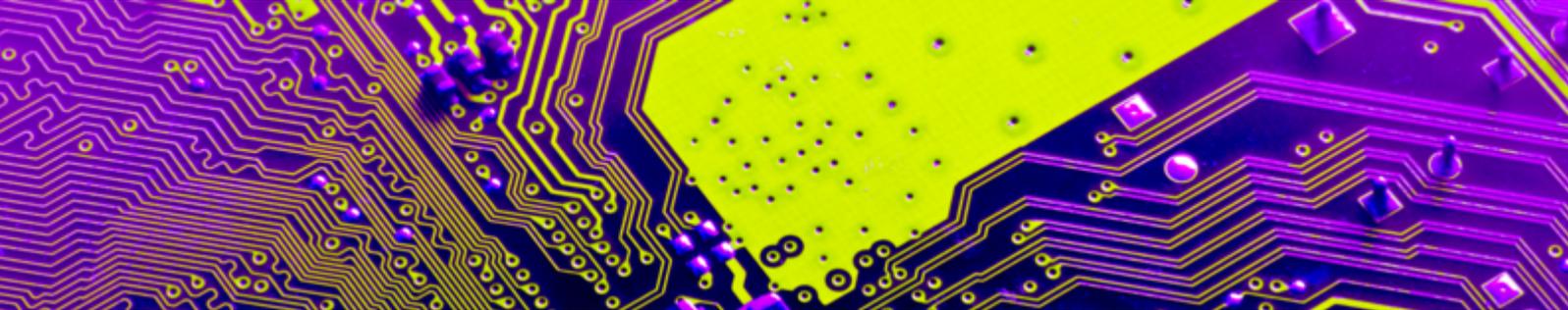




Infor CloudSuite Industrial and CloudSuite Business: What can be modified when they're deployed in a multi-tenant cloud



There are many advantages to deploying applications in the cloud; however there are some limitations that you need to understand before making a decision to move to the cloud. There are two very basic rules that can guide you when considering the extensibility of Infor CloudSuite™ Industrial or CloudSuite Business.

Rule #1: You can make any change to the software as long as it is done with the Infor Mongoose tool set.

Rule #2: No direct access to the databases or to any of the servers is permitted. This means no T-SQL coding, apart from what can be done through Mongoose forms.

The Mongoose framework allows CloudSuite Industrial and CloudSuite Business to be flexible and extensible systems even in a multi-tenant cloud. Changes you make are managed for tenants in their databases. Other techniques for extensibility or integration that require direct access to servers can't be permitted because in a multi-tenant cloud, those servers are shared across multiple tenants.

Considering the rules defined above, there are a large number of changes you can make to your CloudSuite Industrial or CloudSuite Business configuration that allow you to adapt it to your unique needs.

Configurations

To keep complexity to a minimum and allow for fast implementations, we license additional functionality individually; this keeps the system from becoming cluttered with features and functionality that you do not need. We do this in two main areas: industry focus and localizations. We have created Industry Packs that deliver last mile functionality for industries that have unique manufacturing requirements. We have Industry Packs for the following industries:

- Automotive
- Molding and Forming
- Printing and Packaging
- Process

Also, within each major functional area are Parameter Forms. These allow for default settings or configurations that allow you to activate or de-activate appropriate functionality. For example, if you need to calculate VAT or how you are going to deploy your multi-site configuration, you'd choose a Parameter Form.

User personalizations

User personalizations are those changes that your typical user wants to make to increase their productivity. Some of the changes that a typical user can make are:

- Creating a personal menu that displays only their most used menu choices
- Hiding the menu to free up screen space
- Adjusting the window split between the grid view and the panel view
- Changing the sequence of columns and what columns are displayed in a grid or DataView
- Creating or modifying DataViews
- Saving multiple formats of DataViews for quick recall at anytime

Extensions

Extensions are those changes that require technical skills; these changes take advantage of the Mongoose framework that was used to build CloudSuite Industrial and CloudSuite Business. Remembering Rule #1, there are tools within the application to do the following:

- Add new columns and tables to the schema
- Extend and create new IDOs
- Modify EXTGEN stored procedures
- Create and extend AES events, event handlers, actions, and triggers
- Extend and create new forms

All changes made through the Mongoose toolset prefixes the change with the Multi-Tenant ID of the customer. This applies to all forms, IDOs, columns, and tables that the user creates or modifies. Changes can be made for an individual, a group of users, or for the site. You are never making changes to the vendor delivered forms. All changes are layered on top of the vendor delivered functionality.

Integrations

Integrations add new functionality or connect to external systems through a development environment other than Mongoose. Just to be clear that we are not violating Rule #1, we are making the connections through the Mongoose IDO layer, but the application that we want to connect to can be any technology that supports the following communication methodologies to communicate with the IDO:

- IDO SOAP Webservice—Both .Net (Visual Studio) and Java WSDL are provided
- IDO REST Service
- IDO .Net Class Library—Build your own client programs, which then execute IDO Requests via XML over HTTP
- IDO Request XML over HTTP—The documented IDO Request XML schema, which supports multiple operations and transaction management, posted to the synchronous URL,
<cloudserver>/IDORequestService/RequestService.aspx
- The Mongoose Application Event Service—Generate an AES event, with in and out parameters
- Infor ION® for asynchronous calls for importing or exporting data

There are multiple ways to get data into and out of CloudSuite Industrial and CloudSuite Business, in both synchronous and asynchronous methods, without going directly to the database.

Flat file support

With the release of version 9.01, CloudSuite Industrial and CloudSuite Business let you import and export files, such as EDI, banking, tax reporting, and payroll interface files through the use and management of logical folders in AWS.

Reporting

Being able to modify reports has long been one of the many ways that customers tailor the system to their needs. However, because the core technology used in creating reports has been using SQL Server Reporting Services (SSRS), it requires access to the database—which violates Rule #2.

We are striving to reduce this limitation and have done several things to mitigate this situation:

- Creation of multiple report formats—The most modified reports are usually external facing documents, such as Invoices and check printing. We have provided multiple formats that include the long established standards, as well as versions that were designed based on consumer-grade financial applications to make things simple and clean.
- Leverage of DataViews—All Cloud customers have the WorkBench Suite as part of their core bundle. DataViews contain a tool set that allows users to create new DataViews; Infor is providing additional DataViews with the standard product. DataViews allow the IT staff to focus on more strategic goals and allow the user to address their own tactical reporting needs. All on-premise customers when upgrading to 9.01 will be entitled to the DataView product.
- Export to Excel—All forms in the application allow you to take a collection of data that is displayed in the form and export it to Excel. This provides another self-service method of creating reports.
- Financial Report Writer—This built in tool leverages the power of Excel to create and format financial documents.
- Infor BI with Q&A—The BI tool is an optional purchase that allows you to create reports and generate graphical information. The Q&A tool is focused on creating financial reports, such as cash flow statements and balance sheets.

With version 9.01, in addition to the above actions, the Mongoose framework has been enhanced so that it now has a reporting tool set. The enhancements to the Mongoose tool set let you layout regions of a report and format within that region as needed. This tool can be used to modify the reports that are typically unique for each of our customers, such as an invoice.



641 Avenue of the Americas
New York, NY 10011
800-260-2640
infor.com

About Infor

Infor builds business software for specific industries in the cloud. With 15,000 employees and over 90,000 customers in more than 170 countries, Infor software is designed for progress. To learn more, please visit www.infor.com.

Copyright ©2017 Infor. All rights reserved. The word and design marks set forth herein are trademarks and/or registered trademarks of Infor and/or related affiliates and subsidiaries. All other trademarks listed herein are the property of their respective owners. www.infor.com.

641 Avenue of the Americas, New York, NY 10011

INF-1509736-EN-US-1216-2