



Release Notes Summary

IFS Cloud 21R1



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This document is a summary of the release notes for IFS Cloud 21R1 – Early Access.
For the detailed updates regarding the product areas and upgrade considerations, please refer to the specific product release note.

ASSET MANAGEMENT

1. PRODUCT

These release notes are for Asset Management, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

For IFS Cloud 21R1 sales parts and global price list has been changed so please read those closely to understand the opportunities now provided in the product offering for Asset Management.

4. DEPRECATED FUNCTIONS

N/A

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

ASSET DESIGN – IFS ASSET INFORMATION INTEGRATION MANAGER (AIIM)

IFS Asset Information Integration Manager (IFS AIIM) has been removed in IFS Cloud 21R1 release. AIIM was a component found within the IFS Asset Design solution. Currently there is no plan for a direct replacement in IFS 21R1 release or beyond. IFS R&D will revisit requirements and market needs before deciding the route forward.

MAINTENANCE - IFS OVERALL EQUIPMENT EFFECTIVENESS (OEE)

IFS Overall Equipment Effectiveness (IFS OEE) has been removed in IFS Cloud 21R1 release. OEE was a component found within the IFS Maintenance solution. Currently there is no plan for a direct replacement in IFS 21R1 release or beyond. IFS R&D will revisit requirements and market needs before deciding the route forward.

DOCUMENT MANAGEMENT – INSTANT VIEW

The document Instant View functionality utilizes the Oracle Autovue product to instantly visualize any document in the system. Support for Oracle Autovue product has been withdrawn in IFS 21R1 release. Currently there is no plan for a replacement of Instant View in IFS 21R1 release or beyond. IFS R&D will revisit requirements and market needs before deciding the route forward.

DOCUMENT MANAGEMENT – LOTUS NOTES PLUG IN FEATURE

The Lotus Notes Plug In used to import emails from IBM/Lotus Notes into the document management application. Lotus Notes Plug In feature has been removed in IFS 21R1 release.

APPLICATION SERVICES – BING MAPS GEOCODING

This geocoding feature is used to retrieve and save positions of a given address entity using Bing maps. Bing map geocoding feature has been removed in IFS 21R1 release. New geocoding capabilities around the HERE maps has already been introduced.

APPLICATION SERVICES – VIRTUAL MAP BIZ API

The below mentioned Biz API's used for virtual maps, have been removed in IFS 21R1 release.

- VrtMapPosNew
- VrtMapPosGet
- VrtMapPosUpdate

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

ASSET DESIGN – EXPLORE DESIGN PARTS

Explore Design Parts is a functionality used to view design part structures and related information by configuring necessary Design Part Explorer views. It is not yet ready in IFS Cloud 21R1 release.

ASSET DESIGN – NAVIGATIONAL MODELS

Navigational Models are not supported in IFS Cloud 21R1 release. Navigational Models are used to configure design object or design part explore views.

ASSET DESIGN – EXECUTE BUSINESS ANALYTICS REPORT

Execute Business Analytics Reports from Asset Design is not supported yet, in IFS Cloud 21R1 release.

ASSET DESIGN – DESIGN OBJECT CHARACTERISTICS

Design Object Characteristics is used to list down technical specifications for selected set of Design Objects. This page is not available in IFS Cloud 21R1 release, since the concept of dynamic columns is not supported.

DOCUMENT MANAGEMENT – MICROSOFT OFFICE ADD-INS

Microsoft office add-ins are not supported in IFS Cloud 21R1 release. R&D is planning to bring up the similar capabilities in IFS Cloud 21R2 release.

DOCUMENT MANAGEMENT – FULL MACRO SUPPORT

Macro support has been added in the Aurena client via the IFS Aurena Agent. However, it is currently being limited to few main pages (Document Revision, Attachments) and macro processes (Edit, Check In, View). R&D is planning to add the full macro support, with more pages and processes in coming releases.

DOCUMENT MANAGEMENT – STRUCTURE DOCUMENTS

Multilevel document structure functionalities are not supported in IFS Cloud 21R1 release. This means that none of the file operations (such as checking In, checking out or view) cannot be performed on the entire document structure.



DOCUMENT MANAGEMENT – DIGITAL SIGNATURES

Digital signature capability in document management will not be fully functional. This is due to a limitation where logged in user (Run-As user) cannot call and execute projections. In this release, it is only allowed to IFS CONNECT user.

The digital signature API (EdmFileSignUtil) has been changed. The visual signature (“signature appearance”) functionality no longer support reading images used for the signatures from disk. The images must be saved as documents in Docman.

For details, read the following document in the technical documentation: IFS Installation Guide / Additional Installation Options / IFS Cloud Business Components / Document Management (DOCMAN) / Digital Signatures.

DOCUMENT MANAGEMENT – EXPLORE DOCUMENTS

Explore Documents feature built on document explorer views, is not available in this release. Similar capabilities are offered with Document Folder Navigator. This functionality will be re considered in future releases, provided high customer demand.

DOCUMENT MANAGEMENT – COMMENT FILE FUNCTIONALITY

Comment file functionality is not implemented yet in IFS Cloud 21R1 release.

DOCUMENT MANAGEMENT - FILE TRANSFERS BETWEEN REPOSITORIES

File transfers between different document file repositories are not available in IFS Cloud 21R1 release.

APPLICATION SERVICES – MAP AS A CONFIGURED ATTACHMENT

Maps (ESRI) are not supported to configure as an Attachment item in the panel, in IFS Cloud 21R1 release. Similar capabilities are offered with Document Folder Navigator. This functionality will be re considered in future releases, provided high customer demand

MRO & FLEET MANAGEMENT – LOBBY PAGES

The following lobby elements have restrictions when navigating to the relevant page. This is due to limitations/lacking support in the framework.

- Fleet Engineer and Maintenance Planner lobby page
 - o Lobby element "ORDERS COMING DUE" does not filter correctly on clicked status (the selected area in the pie chart) when navigating
- Fleet Maintenance Technician Lobby element "ALL WORK ASSIGNMENTS" does not filter on clicked status (the selected area in the pie chart) when navigating
 - o Lobby element "ASSIGNED WORK" does not filter on the following when navigating:
 - if the given person ID the same as the one who did executor sign off and
 - whether a work assignment exists for the given person ID

- o Lobby element "ALL WORK" does not filter on the following when navigating:
 - whether additional sign offs are awaiting the technician
 - o Lobby element "MATERIAL HANDLING" has no navigation links to the corresponding Aurena pages.
 - o Lobby element "PLANNED WORK NOT ASSIGNED" does not filter on "Planned Start" when navigating

AVIATION AND DEFENSE

1. PRODUCT

These release notes are for Aviation & Defense, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

ALLOWABLE CONFIGURATION DATA MIGRATION TOOL

The Import Configuration Data UI feature in Allowable Configuration for Apps 10, catered the solution to importing the initial configuration baseline from Maintenix, which was a one-time activity. This has been replaced by the Data Migration Tool which supports the below enhanced functionalities,

- Import initial data load from Maintenix
- Update changes to the baseline in Allowable Configuration
- Support version upgrading

IGNORED ELEMENTS

When an IPC revision is uploaded against an assembly, the direction previously sent to the Engineering Service Provider (ESP) was to create change sets for the total package. With the introduction of the ignored elements the configuration specialist is able to generate a list of ATA chapters, sections, units, figures and items that can be ignored by the ESP when suggesting the changes that needs to be done based on the IPC revision shared by the OEM. The Ignored Element list can be generated by the configuration specialist starting from the second IPC revision.

ENHANCEMENTS IN PART GROUP – LINE REPLACEABLE UNIT

A part group can now be identified as a Line Replaceable Unit or Shop Replaceable Unit, with the exception of part groups created on the root configuration slot of an aircraft assembly, as an aircraft cannot be an LRU.

ENHANCEMENTS IN PART GROUP – INCOMPATIBLE PART SCOPE

By default, IFS Maintenix assumes that all parts are compatible with all other parts and that all part numbers can be installed on an assembly regardless of what tasks are completed or open on the assembly. Through this feature, the configuration specialist can identify such parts which are incompatible along with their scope; Global or Assembly Position Type.

ENHANCEMENTS IN PART GROUP – SENSITIVITIES

Part Groups that are sensitive can be now marked as such, so that all the parts in the part groups can be identified the same. The configuration specialist also can view the respective sensitivities assigned to the assemblies.

PART INVENTORY CLASS TRANSFORMATION

Allowable configuration now offers the ability to do below transformations on part and part group level.

- Promoting a part from batch-controlled to serial controlled
- Promoting a part from serial-controlled to tracked
- Demoting a part group from tracked to serial-controlled
- Demoting a part from serial-controlled to batch-controlled

MANUFACTURE CREATION

The combination of a part and manufacturer is a unique identification key. Hence, the list of manufacturers are now migrated to Allowable Configuration from IFS Maintenix, along with the enhanced feature of creation of new manufacturers via an IPC revision and standalone. To publish the manufacturer to IFS Maintenix, it must be connected to an alternate part. The details of the new manufacturer can be edited until the change source is published.

PRODUCT ADDITIONS

The following new applications and features support the aviation maintenance solution. For information, see the Product News Presentation:

- Maintenix aviation maintenance
- Forward/Line Maintenance Mobility
- Disconnected Operations
- Technical Records Repository
- Fleet Planner – 21R1 provides a Preview of this functionality

4. DEPRECATED FUNCTIONS

NA

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

IMPORT CONFIGURATION DATA

The Import configuration data, UI feature which was introduced as a means of uploading the initial data load, has been removed from IFS Cloud 21R1. This feature however enabled onetime upload solution.

Instead the Data Migration tool has been introduced with enhanced features.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

FORWARD/LINE MAINTENANCE MOBILITY

The following capabilities are currently not supported in the IFS Cloud 21R1 Early Access Release:

- Electronic signature for work performed or aircraft release.
- Recording oil uptake or performing a turn check.

- Capturing person hours, attaching pictures and repair references.
- Migrating data for certain information types. They require edits to trigger synchronization to IFS Cloud. They are as follows:
 - Flights
 - Task and fault tools
 - Task and fault labor
 - Task and fault actions
 - Aircraft work packages
 - Synchronizing data back to the M&E system to support the range of scenarios by which information is updated by the forward/line maintenance mobility solution, excluding the following scenarios:
 - Package fault in an existing work package
 - Package fault in a new work package
 - Raise logbook fault/fault found during flight
 - Start task
 - Request part on task or fault
 - Request to defer fault
 - Deferral authorization

DISCONNECTED OPERATIONS

Functionality for various workflows is limited in the Early Access Release.

BUSINESS PROCESS MANAGEMENT

1. PRODUCT

These release notes are for IFS Business Process Automation, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality related to IFS Business Process Automation (BPA) that is delivered in this release are as follows:

- Workflow Designer – Ability to construct BPMN diagrams within IFS Cloud.
- Validation BPA – To be able to conditionally configure error messages that need to appear in a business process to avoid certain actions being performed within the system that do not meet the businesses processes.
- User Interaction BPA – System can be configured to prompt users to enter additional information in a new UI/form conditionally.
- Process Enrichment BPA – Ability for the BPA to call our many REST API's/projections within the system to perform the relevant Create, Read, Update or Delete operations within IFS Cloud to enhance the transaction that needs to be performed.

Further information is presented in the release information pages, including news presentations, webcasts and demo scripts

SALES PARTS

No changes to sales part changes required, the IFS Business Process Automation feature set is included in the standard IFS Cloud offering within the framework.

3. CHANGES IN PRODUCT OFFERING

N/A.

4. DEPRECATED FUNCTIONS

Event action type of Start Workflow has been removed along with previous Workflow functionality used by this Event Action type.

5. REMOVED FUNCTIONS

N/A.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

- Unable to invoke the following projection operation types:
 - o Projections with Java implementations
 - o Projection invocations which include complex data types
 - o Non-CRUD projection calls (Functions, Actions, Metadata)

BUSINESS MODELLING, REPORTING & ANALYTICS

1. PRODUCT

These release notes are for Business modelling, reporting & analytics, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

IFS BI ANALYSIS MODELS – 21R1

- The analysis models solution delivered in IFS Cloud 21R1 is based on Microsoft Tabular models and does not provide any support for multi-dimensional cubes.
- The introduction of the Tabular Model framework replaces the previous ETL process and data warehouse.
- The IFS Cloud 21R1 contains only the Procurement and Sales models. There is no upgrade path from the multi-dimensional version to the tabular version of the above two models.
- The tabular analysis models support the model driven IFS layered architecture which enables configurations and customizations of the models.
- No support for analysis models as a data source within IFS Lobby.

INFORMATION SOURCES – 21R1

- No support for using information sources as a data source within IFS Lobby.
 - No security handling for Information Sources using the Presentation Objects.
- All the information sources will be listed in IFS Business Reporter for report designers. However, the row level security will be enforced when viewing data through Information Sources.



BUSINESS REPORTER EXECUTION SERVER – 21R1 SECURITY HANDLING IN BUSINESS REPORTER

- IFS Business Reporter client utilizes the new ODATA connection to communicate with the application server.
- The role-based security handling of IFS Business Reporter has changed from activity level to projection level permissions.
- Following pre-defined roles are still available and those are configured with projection-based security permissions.
- BA REPORT DESIGNER
- BA REPORT USER
- BA ADMINISTRATOR
- BA WRITEBACK USER
- Please refer technical documentation to get list of projections granted to each of the above user roles.

BUSINESS REPORTER EXECUTION SERVER

- IFS Business Reporter Execution Server version released with update 7 introduced a new configurable Execution Mode (referred as Office Open XML mode), enabling execution of reports without an Excel installation.
- From this release onwards, the Office Open XML mode will be set as the default option. Refer the technical documentation for the steps to follow to change the mode to the Excel based Execution Mode (referred as VSTO mode).

CHANGES IN AUTHENTICATION

- IFS Identity and Access Manager (IFS IAM) handles user authentication in IFS Cloud.
- Therefore, it is necessary to setup IAM client ids for the following applications in order to connect with IFS Cloud
- IFS Business Reporter
- IFS Business Reporter Execution server
- IFS Report Data Services SSRS Data Source
- IFS Report Designer
- IFS Print Agent

OPERATIONAL REPORTING – 21R1 CRYSTAL WEB SERVICE INSTALLER

- Additional parameters have been added to Crystal Web Service installer wizard in this release. Previously these parameter values were saved in the configuration file during installation time of IFS Applications. More details can be found in the news presentation.

DEPRECATED FUNCTIONS

These functions have been deprecated in this release.

KPI SERVICES – 21R1

- KPI services functionality is not supported in the new Analysis Models (Tabular) solution.
- The new framework delivered in this release enables the standard Microsoft BI tools like Data tools and tabular editor to be used to create the same type of calculated measures in an easy and update friendly way

MULTI DIMENSIONAL CUBES – 21R1

- The previous Analysis Models offering based on Microsoft multi-dimensional cubes is replaced with the new Analysis Models based on the Tabular models.
- The IFS Cloud 21R1 contains only the Sales and Procurement models offered as prepackaged content.
- Information about removed components in 21R1 can be found in the Technical Documentation.

INFORMATION ACCESS LAYER – 21R1

- The new architecture in IFS Cloud 21R1 and Aurena have resulted in native OData based RESTful APIs to be introduced across the entire suite of IFS Applications to access information in the database.
- This has led to the deprecation of the Information Access Layer (IAL) which accesses database objects directly.
- This means the IAL Object Developer and IAL Configuration windows will not be available in the Aurena client released with IFS Cloud 21R1 and onwards.
- Existing IALs will continue to be available after upgrading to IFS Cloud 21R1 and can still be used for existing customizations or as a basis for quick reports, lobbies etc.

JAVA PRINT AGENT

The Java based print agent has been replaced with a .net based print agent which makes it easier to install and configure.

3. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

IFS BI ANALYSIS MODELS – 21R1

- The IFS Cloud 21R1 contains only the Sales and Procurement models offered as prepackaged content.
- There is no direct upgrade path from the multi-dimensional models of Sales & Procurement to the tabular versions of the model delivered in IFS Cloud 21R1.
- Functionality to use an Information Source or an Analysis Model as a data source for a Lobby is not available in IFS Cloud 21R1. This means that previously created Lobbies with either the Information Sources or Analysis Models (multi-dimensional) as a data source will not have a replacement functionality in IFS Cloud 21R1.

SCHEDULING SQL QUICK REPORTS – 21R1

- The SQL quick report functionality is being redesigned in a way that each quick report is defined in its own projection.



- Therefore, there is a restriction on scheduling SQL quick reports until that functionality is available in a future release.

CRM

1. PRODUCT

These release notes are for CRM, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

N/A

4. DEPRECATED FUNCTIONS

N/A

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

RIVA INTEGRATION

The Riva integration is a server-based synchronization of calendar items and contacts between IFS Applications and any mail platform. In Applications 10, the Outlook Calendar Sync was released so now the Riva integration has been removed.

CRM COMPANION

Because IFS Aurena is a responsive browser-based experience that works well on mobile devices, the need for dedicated mobile apps has decreased. Considering this, the CRM touch app “CRM Companion” is no longer available.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

SPECIFIC RELEASE RESTRICTION

CRM

BUSINESS MAIL

Document Management Office add-in replaced with CRM Panel

In applications 10 we have an Outlook add-in (Office add-in) connected to the document management product used to store mails from Outlook into IFS Applications and generate Business Mails with references to different objects in IFS. This add-in requires IFS Enterprise Explorer in the back end. In the CRM area, the CRM Panel will replace this add-in in Aurena. From a functional perspective the CRM Panel is much richer in capabilities than the old “Save Business Mail” solution. However, there is one functional limitation in CRM Panel compared with the old solution. In CRM Panel, the mail is stored in IFS Applications and automatically connected to related objects and the connections can be manually administrated from the Business Mail page.



The old solution could be set up to manually administrate connections through a dialog directly when saving the mail.

Visual appearance

CRM Panel do not store Outlook mails as .msg in IFS Document Management; that is the exact mail is not stored. The solution can be setup to store mail body as HTML in the database only, or to in addition store the HTML-file in IFS Document Management. Depending on how the solution is set up, the mail body is shown in the Business Mail page or in a separate tab in the browser. A 100% match with the Outlook mail appearance is not guaranteed with any of the solutions. Storing the mail body as a HTML file in IFS Document Management and viewing it in a separate tab in the browser is very similar to the Outlook mail body appearance. Storing the mail only in the database and viewing it in the Business Mail page will mean that images are not shown, and some other differences may also occur (for example; some characters might not appear correctly).

BUSINESS CALENDAR

Business Calendar in IFS Aurena has the following limitations compared with IEE:

- Since we do not have framework support for viewing Outlook items in IFS Aurena we will not show Outlook appointments and tasks in the calendar views. This applies to Lotus Notes as well.
- Business Opportunities have not been presented in IFS Enterprise Explorer in a very user-friendly way and has been decided to be left out from the business calendar in IFS Aurena. The Business Calendar window in IEE has been split into two calendar pages in IFS Aurena; one that shows activities for a representative in different views and one that shows a timeline for multiple representatives. In both calendars you can work with activities to some extent and navigate to Business Activity page in order to have full functionality.

SET USER TIME ZONE

Due to framework limitations, no notification will be given in IFS Aurena when the time zone for the local device differs from the Time Zone per User setting. Hence, in IFS Aurena the user will always be able to change time zone from Business Activity page using the Set User Time Zone command.

RELATIONSHIP MANAGEMENT PANEL

Summary: CRM and SRM Panels works only for Outlook and limitations in the Microsoft add-in concept applies. Following are some of the limitations from Microsoft side regarding Outlook add-ins:

1. Add-in will work on mail and appointments on read and compose mode. More info is found here.
2. In Mobile, only read mode will work.
3. For On-Premise installation we need to use EWS. Exchange web services (EWS) will not work in mobile. EWS has been used to for operations such as fetching attachments and sending mail. For details regarding requirements, installation etc., please refer the technical documentation for Relationship Management Panel (RMPANL). A very important thing to understand is that the CRM and SRM panels works only for Outlook and this was a strategic decision from the start. Not supporting IBM Notes, Gmail etc. shall therefore not be seen as a limitation, it is simply not in scope.

FINANCE

1. PRODUCT

These release notes are for Finance, IFS Cloud 21R1.

2. PRODUCT OFFERING



New functionality delivered in this release is presented in the release information pages, including overview presentations and news presentations.

3. CHANGES IN PRODUCT OFFERING

To prepare for future investments and sales, the sales parts in the Finance area has been rearranged. Refer to the Global Price List for more information about the sales parts. Here is an overview of the new break down:

New Sales Part	Reference to Old Sales Part
IC12000 General Ledger	10001105 General Ledger
IC12001 Accounts Receivable	10001101 Accounts Receivable
IC12002 Accounts Payable	10001102 Accounts Payable
	10001104 Accounts Payable eInvoice
IC12003 Fixed Assets	10001106 Fixed Assets
IC12004 Business Planning	10001109 Business Planning
IC12005 Group Consolidation	10001108 Group Consolidation
IC15001 Invoice Authorizer LTU	10001102LTU Invoice Authorizer LTU
IC17200 Financial Connector	10001107 Financial Connector
IC17302 External Tax Systems Interface	10001110 External Tax Systems Interface
IC17304 External eInvoice Interface	10001103 eInvoice Adapter

4. DEPRECATED FUNCTIONS

These functions have been deprecated in this release, planned to be removed in next release.
N/A

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

BUDPRO – BUDGET PROCESS

The functionality in Budget Process is handled in Business Planning (BUSPLN) component.

CONACC – CONSOLIDATED ACCOUNTS

The functionality is handled in Group Consolidation (GROCON).

FINREP – REPORT GENERATOR

The Report Generator is replaced by Business Reporter. Example reports are available for Income Statement and Balance Sheet in Business Reporter.

EXTERNAL FILES – USER DEFINED FILE TYPES

Due to deprecation of Oracle Users for end user authentication, user defined file types and related file templates cannot be used in IFS Cloud.

System defined file types and related user defined file templates will still be possible to use as before.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

SUPPLIER INVOICE WORKFLOW – DOCUMENT MANAGEMENT



Using “Path in File” during import of Supplier Invoices to check in and store documents in Document Management is not supported. Supported option is to use FTP.

Following options have used “Path in File” and are not supported any longer:

- Backup Path
- Alternate Path
- Use Path in File

HUMAN CAPITAL MANAGEMENT

1. PRODUCT

These release notes are for Human Capital Management, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

RELATED PERSONS

Starting from IFS Cloud 21R1, Contact Persons page and Dependents page which were in IFS Applications 10 have been merged into a single page called ‘Related Persons’. This makes it possible to have a single person as both a dependent and a contact person. Access Attributes are enabled for Related Persons page, and Related Person is available under Personal Data Management. More information is available under the Human Capital Management News Presentations for IFS Cloud 21R1.

EMPLOYEE SALARY INFORMATION

Starting from IFS Cloud 21R1, Salary section, and the Salary History and Additional Pay pages which were in IFS Applications 10 Employee File have been merged into a single tab called ‘Employee Salary Information’ under the Compensations page. This makes it possible to have basic salary information and other time-based payments under a single section. Access Attributes are enabled for this new page. More information is available under the Human Capital Management News Presentations for IFS Cloud 21R1.

BANK DETAILS

Bank Identifier Code page of IFS Applications 10 has been redesigned in IFS Cloud 21R1 under the page Bank Details. Access Attributes are available for Bank Details Page. More information is available under the Human Capital Management News Presentations for IFS Cloud 21R1. Any custom view used for BIC Employee Property in Property Field Definition page need to be changed accordingly.

CHANGES TO BIZAPIS INCLUDING IMPORTING EMPLOYEE CLOCKINGS VIA API INTEGRATION



Inbound BizAPI functionality related to importing Employee Clocking details in IFS Applications 10 has been re-designed in IFS Cloud 21R1 with API Integration through Time Clock related integration projections. More details can be found in the IFS Cloud Technical Documentation.
New FTP type transport connector supported routing rules and routing addresses are included in the IFS Cloud 21R1 replacing the File type transport connectors.

4. DEPRECATED FUNCTIONS

N/A

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

SAVING GENERATED PAYMENT TRANSFER FILES TO A SERVER LOCATION

Saving generated payment transfer files in Employee Payments in a predefined server location (Oracle UTL Directory) or in a predefined Output File Path is no longer possible in IFS Cloud 21R1. Instead the location of the downloaded files is decided based on the browser settings.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

BENEFIT MANAGEMENT

Benefit Management is not included in IFS Cloud 21R1. The Dependent functionality is moved to the newly designed page Related Persons.

TOUCH APPS

Time Tracker and Trip Tracker are not available in IFS Cloud 21R1.

APPLICANTS

Applicant functionality and the related pages are not available in IFS Cloud 21R1.

EMPLOYEE INFORMATION CHANGE REQUEST - CONTACT PERSONS/DEPENDENTS

Addition and modification of Contact Persons and Dependents are not available under Employee Information Change Requests in IFS Cloud 21R1. Newly introduced 'Related Persons' functionality also is not currently available in Employee Information Change Requests.

SOME PAGES IN STRATEGIC HCM ARE NOT AVAILABLE IN IFS CLOUD 21R1

IFS Cloud 21R1 does not include the Recruitment functional area, and also a part of employee development such as Succession Planning etc. Additionally, Availability Planning, Aggregate Gap Analysis and Job Analysis functionalities are not currently available.

INDUSTRIES

1. PRODUCT



These release notes are for Project Management - Schedule of Work Estimating and Work Progress Tracking for IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

Project Schedule of Work Estimating provides ability to create, import and store a detailed estimate related to a project. Schedule of Work Estimates may be created in summary or detail and can be used to create/update Project Activity Estimates or Project Forecasts by Cost/Revenue Element. The Schedule of Work Estimates support unit quantity and unit prices.

Project Work Progress Tracking provides ability to record detailed production quantities based on work completed in the field against the Project Schedule of Work Estimate version that has been designated for production.

4. DEPRECATED FUNCTIONS

No functions have been deprecated in this release, planned to be removed in next release.

5. REMOVED FUNCTIONS

No functions have been removed in this release:

6. RELEASE RESTRICTIONS

There are no release restrictions or limitations to be aware of for this new functionality

PLATFORM – INFRASTRUCTURE & FRAMEWORK

1. PRODUCT

These release notes are for IFS Cloud Platform Infrastructure and Framework.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the news presentations in the release information.

3. CHANGES IN PRODUCT OFFERING

4. DEPRECATED FUNCTIONS

These functions have been deprecated in this release, planned to be removed in next release:

IFS CONFIG BUILDER

IFS Config Builder tool is deprecated and to be replaced in a new build concept.

DATABASE LINKS

The usage of database links in a production system is deprecated with this release. This is because Database Links require additional security setup and configuration which are cumbersome to maintain in Cloud environments. The recommend alternative is to use the REST APIs.



UTL_FILE USAGE

Reading/Writing files using the Oracle UTL_FILE package is depreciated with this release. The intention of this is to reduce the usage of the file system directly from the application. The recommend alternative is to use the REST APIs.

5. REMOVED FUNCTIONS

IFS MIDDLEWARE SERVER

IFS Middleware Server, FNDMWS, is removed. This is replaced by a new middle tier solution included in the Platform sales part. New solution has the middle tier services delivered through Docker containers as part of the platform.

IFS .NET ACCESS PROVIDER, JAVA ACCESS PROVER, PLSQL ACCESS PROVIDER

The ability to use the access providers to access IFS though Activities and services is removed, including as the .Net Access provider that was used by IFS Enterprise Explorer. The access providers are replaced by a new RESTful interface.

IFS ENTERPRISE EXPLORER

IFS Enterprise Explorer (IEE) is removed and replaced by IFS Aurena.

BIZAPI INTEGRATION

BIZAPI concept is removed. This applies to the runtime functionality as well as the ability to develop new BIZAPI integrations. They are replaced in favor of using the new RESTful interface, IFS Projections, in the same way as IFS Aurena.

ORACLE NON-CDB ARCHITECTURE DATABASE

Support for Oracle non-CDB Architecture Database is removed, since it is not supported in Oracle 19C database version.

<https://docs.oracle.com/database/121/UPGRD/deprecated.htm#BABDBCJI>

IFS ACTIVE DIRECTORY USER INTEGRATION COMPONENT

IFS Active Directory User Integration, FNDADS, is removed. This is replaced in favor of new API for synchronizing users from external identity management system, supporting the open API System for Cross-domain Identity Management (SCIM).

SEARCH DOMAINS

Search domains used by IFS Enterprise Application Search are removed as Enterprise Application Search is removed. Oracle Text option does not need to be added for new installations but must be there when doing upgrades.

ORACLE USER AND ROLES

The Oracle User and Roles are no longer used as an authentication and authorizations mechanism in the application for end-users. End-users no longer have an associated Oracle account. The permission set concept remains but the usage of the Oracle Role is removed.

SECURITY CONCEPTS BASED ON ORACLE OBJECTS

Since of the removal of the Oracle User and Role concepts, security concepts such as Method, Package and View level security mechanisms are also removed. Security is managed through Projections.

PRESENTATION OBJECT SECURITY

Presentation Objects as a security concept is removed.

SECURITY CHECKPOINT DB AUTHENTICATION

Since of the removal of Oracle user, usage of the DB Authentication method in Security Checkpoint is removed



6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

IN-MEMORY AND ADMINISTRATOR LOBBIES

In Memory and Administrator Lobbies are not included with IFS Cloud 21R1 Early Access Release

INTEGRATION, DATA, DEVELOPMENT AND EXTENSIBILITY

1. PRODUCT

These release notes are for Integration, Data, Development and Extensibility, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts, and demo scripts.

3. CHANGES IN PRODUCT OFFERING

4. DEPRECATED FUNCTIONS

These functions have been deprecated in this release, planned to be removed in next release.

IFS CONNECT – FTP CONNECTOR

Unsecure plain FTP communication is not recommended and planned to be removed in next release. FTPS and SFTP connectors can be used as a replacement for the FTP Connector.

PLSQLAP_RECORD_API

The Plsqlap_Record_API package is used to create and manipulate records. This package will be removed in next release. The new package, Plsqlap_Document_API, can be used instead.

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

DATA MANAGEMENT - REPLICATION

Replication functionality is removed in IFS Cloud. Data Synchronization functionality can be used instead.

WEBSERVICES

Due to the removal of Service/Activity handlers, exposing them as Webservices has become obsolete. Thus, native and connect webservices are removed.

INTERFACE BROWSER

Interface Browser was the Service Handlers, BIZAPIs and Webservices API explorer. Due to the removal of these middle tier APIs, the Interface Browser has become obsolete and it is removed.

BIZAPI CONNECTOR

With the removal of Service Handlers/BIZAPIs, the BIZAPI connector which used to invoke BIZAPIs via IFS Connect is removed. A new connector is introduced to invoke REST APIs.

APPLICATION SERVER TASKS



Application Server Task used to define a middle tier handler operation that can be scheduled by the Database Scheduled Tasks functionality. Due to the removal of middle tier handlers this functionality has become obsolete and it is removed.

MIDDLE TIER DEVELOPMENT

Developer Studio has disabled middle tier development since it is no longer applicable with the removal of the application server. This mean that concepts such as Server Tester, Project Root, Application Server Setup and Local IFS Home has been removed.

CONDITIONAL FIELD

Conditional fields have not been implemented for Aurena and therefore the configuration of these has been removed.

INFORMATION CARD

Information cards have not been implemented for Aurena and therefore the configuration of these has been removed.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

IFS CONNECT LIMITATIONS

File Connectors are based on SMB protocol and it cannot be used with Cloud customers due to external file share restrictions.

DATA SYNCHRONIZATION LIMITATIONS

Oracle User based data synchronization capabilities such as User and Password synchronization are not supported in this release. Also, all the Data Synchronization sites should have enabled Basic authentication type.

DATA MIGRATION LIMITATIONS

Data Migration Excel Add-On will not be delivered with this Product release. Data migration based on Database link is not supported with the Cloud installations.

OUTBOUND API DOCUMENTATION

With the Interface browner being removed, we will miss a clear place to show the Outbound API documentation. This has during this release been replaced with technical documentation, but we are planning to implement a new Outbound API explorer with documentation in future releases.

LIFECYCLE EXPERIENCE

1. PRODUCT

These release notes are for Lifecycle Experience, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.



3. CHANGES IN PRODUCT OFFERING

IFS Cloud 21R1 comes with the first release of our re-imagined application lifecycle management capability: IFS Lifecycle Experience. This consists of a Lifecycle Experience (LE) Portal and a cloud-based Build Place and changes in IFS Update Analyzer to facilitate the application of Service Updates on IFS Cloud.

4. DEPRECATED FUNCTIONS

Not Applicable.

5. REMOVED FUNCTIONS

Not applicable

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

USE OF CUSTOMER PRODUCTION DATA

The cloud-based build place does not support any copies of customer production data to be maintained.

ADD ON SERVERS

The cloud-based build place environments consist of the Database and the containerized middle tier. It does not contain any add on servers. The following add on servers or products cannot be hosted in the cloud-based build place.

- PSO
- Demand Server
- Crystal Web Service
- SQL Server Reporting Services
- MainteniX
- Business Reporter Execution Server

CONFIGURING 3RD PARTY INTEGRATIONS

No 3rd party integrations can be configured on the cloud-based build place. However, it is possible to develop and test any API that are developed using API testing tools. The end to end testing with 3rd party integrations must be done on the customer use place (UAT/PROD)

MANUFACTURING

1. PRODUCT

These release notes are for Manufacturing, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

The new license metric that is introduced affect the CBS Server solution

4. DEPRECATED FUNCTIONS

These functions have been deprecated in this release, planned to be removed in next release.

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

CBS SERVER SOLUTION

The on-line scheduling server solution, Constraint Based Scheduling (CBS) has been removed. The off-line version of CBS, Advanced Planning Board (APB) as well as the Maintenance Planning Board (MPB) will still be available with their own UX (i.e. not IFS Aurena), but due to changed delivery model, it will no longer be possible to do any customizations in APB or MPB.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

ADVANCED PLANNING BOARD (NOT POSSIBLE TO RUN)

It currently not possible to start and run Advanced Planning Board (APB). To start the scheduling client, it is required to download an exe from the external web. This page is not yet available.

scheduling clients is a native Windows applications, it requires that the user has a windows operating system. Once the scheduling client start you will need to re-login with your user account for security. The scheduling clients uses ClickOnce technology, which needs to be installed on the machine. To launch the scheduling client, you need Microsoft .NET 4.5.2 or higher runtime. If Chrome browser is being used, you need to install an extension to load the scheduling client properly. The extension consists of two parts, msi file that needs to be installed on the client machine and a Chrome extension that needs to be installed from Chrome Web Store.

CUSTOMIZATIONS IN ADVANCED PLANNING BOARD

As mentioned in the removed function section, it will no longer be possible to do any customizations in APB or MPB. This is due to a new delivery model of the scheduling client.

LEGACY SECURITY CHECKPOINTS IN IFS AURENA

In Apps 10 and earlier, security checkpoints were possible to enable for several different flows in Manufacturing. Many of these security checkpoints (now renamed as legacy checkpoints) are not supported in IFS 21R1 and it is therefore required to disable them manually after the upgrade to continue the flows.

LIMITED BARCODE SUPPORT

In IFS Cloud 21R1 there is limited barcode support. Meaning the user can scan bar codes for employees, operations, issuing of components, Kanban replenishment etc., but when the barcode is read, there is no enter command, i.e. user will have to manually click the ok button afterwards.

LOBBIES

The time fence and the past days parameter that was there for the lobbies Shop Floor Supervisor, Manufacturing Planning and Outside Operations has been replaced with fixed values, due to limitations. The element descriptions are updated accordingly.



PRODUCTION REPORTING IN TIME CLOCK

The possibility to do shop floor reporting (operation reporting, indirect time and machine down time) are not yet fully supported when using the Time Clock terminal. Recommendation is to use Shop Floor Workbench for shop floor reporting.

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PROCUREMENT

1. PRODUCT

These release notes are for Procurement, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

NEW SET OF SALES PARTS

To prepare for future investments and sales, the sales parts in the procurement area has been completely re-arranged. Refer to the Global Price List for more information about the sales parts.

Here is an overview of the new break down:

New Sales Part	Reference to Old Sales Part
IC12500 Strategic Procurement Planning	New
IC12501 Sourcing	10001417 Purchasing
IC12502 Operational Procurement	10001417 Purchasing
IC12503 Supplier Contract Management	10001417 Purchasing
IC12504 Supplier Relationship Management Management	10001425 Supplier Relationship
IC14003 Supplier Self-Service Procurement - Module	10001413 B2B Procurement
IC15003 Purchase Requisition Creator - LTU LTU	10001440LTU Purchase requisition creator
IC15004 Purchase Requisition/Order Authorizer - LTU Requisition/Order Authorizer LTU	10001417LTU Purchase
IC15104 Supplier Self-Service Procurement - LTU Management LTU	10001413LTU Collaborative Procurement

NEW SALES PART FOR STRATEGIC PROCUREMENT PLANNING

The sales part called IC12500 - Strategic Procurement Planning that is introduced in IFS Cloud 21R1 contains the new features Category Management and Spend Analysis.

E-BUYER EXTENSION

For information about the E-buyer extension, please refer to the Release Notes for Supply Chain, IFS Cloud 21R1.

4. DEPRECATED FUNCTIONS

N/A



5. REMOVED FUNCTIONS

N/A

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

SPEND ANALYSIS

SOURCES

In the first version we are considering these sources of information in the spend analysis:

- Regular Purchase Order Lines (including Stage Payments)
- Purchase Order Charges
- Rental Purchase Order Lines
- Time Reporting for Contractors
- Sub Contracts
- Manual Invoices including Externally Loaded Invoices

In this version we are not supporting Multi-Company Project Reporting or Expenses.

TOLERANCE AND ROUNDING POSTINGS

When using supplier invoice workflow (posting proposals), there are different ways of managing tolerances and rounding differences.

When the tolerances are booked on separate postings (either using the last booked posting type or SP1), they will not be picked up by the spend analysis, since it will be very hard to categorize that spend and it will not bring much value to the analysis. This is the case when using Header or Receipt Level Matching.

If you are using Line Level Matching, the tolerance will be included in the original posting and then also picked up by the spend analysis job.

Rounding differences booked on IP28, will not be considered by the spend analysis job.

NON-DEDUCTIBLE TAX FOR SUB CONTRACTS

Normally, the non-deductible tax, will be included in the spend analysis. This is also the case for sub contracts. However, due to how the postings on sub contract invoices are created, there might be cases where non-deductible tax is included in the invoice but not in the spend and vice versa. The reason is that the invoice could be matched on a line item level of the contract, but the posting that is considered by the spend analysis (SCV4) is only created on a header level and will reflect the header of the contract rather than each line.

PROJECT-BASED

1. PRODUCT

These release notes are for Project-Based, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

IMPROVEMENTS IN PROJECT GANTT

Improvements related to the Project Gantt is done in the following areas to enhance the overall experience of the Project Gantt:

- Improvements in user interface and general usability
- New features in the Gantt to improve the project planning process
- Improvements related to time scale of the Project Gantt

RESOURCE MANAGEMENT FOR SERVICE

New tools and clients where the focus has been to improve the ease of use and usability for Resource Management in Service has been added.

Resource Shifts and Resource Breaks, for usage by PSO/Scheduling, are possible to create using the individual resources' availability.

4. DEPRECATED FUNCTIONS

These functions have been deprecated in this release or are planned to be removed in next release.

REGISTER PROJECT DEMAND – SUPPLY OPTION DYNAMIC ORDER PROCESSING (DOP)

When registering project miscellaneous demand for a part, Dynamic Order Processing (DOP) is presently one of the five available supply options. In releases after IFS Applications 10, this supply option will no longer be available.

Instead, a flexible and comprehensive handling of project demands for configured parts is provided through the new Project Deliverables functionality.

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

REMOVAL OF P6 INTEGRATION

Clients related to the P6 Integration is not available in IFS Cloud 21R1, as the solution being replaced with IFS Provider for Primavera Gateway, which is an On Premise Add-on covering all major functions in P6 Integration.

PROJECT DELIVERY

The Project Delivery functionality is now superseded by the new Project Deliverables functionality. For customers running Project Delivery in previous versions, it is recommended to complete existing projects on Project Delivery and use Project Deliverables when starting new projects.

PROJECT REPORTING IN AURENA

Project Time Registration:

A dedicated Project Time Registration page has not been implemented in IFS Aurena. Instead, the requirement to report time is covered by the enhanced Time Registration page that is part of the HCM product. To improve user experience and ease transition to Aurena, there is a direct link to the new Time Registration page from the Project Management/Reporting folder in the Aurena Navigator, as well as from the Project Team Member lobby.

Note: The Time Registration page is included in the Time and Attendance Management sales part. There is also a requirement to set up some additional data, e.g. connecting employees to a wage class.

Project Reporting Analysis:

The Project Reporting Analysis screen available in Enterprise Explorer has not been implemented in IFS Aurena. To support the analysis requirement, the new Project Transactions Review page has been implemented. Like the Project Reporting Analysis screen, this page shows data for both project transactions and invoicing plans. It also has the advantage that in addition to pure read-only analysis, records can be updated and invoiced directly in the new page. The user also has the option to perform analysis in the Project Transactions and Invoicing Plan pages, as well as with external tools, e.g. using Business Reporter.

NET PROJECT MATERIAL

The Net Project Material is functionality limited to perform automatic netting of parts demanded by the project, reserving these parts based on the need date and availability but without handling the movement of costs between activities. In releases after IFS Applications 10, this function will no longer be available.

This functionality is replaced by the more comprehensive PMRP, Project Master Scheduling and MRP functionality.

RISK EVALUATION AREAS AND RISK ANALYSIS-SPECIFIC CATEGORIES

The two below functions are not available in IFS Cloud 21R1

When analyzing a risk consequence, in addition to evaluating the impact on time and cost, there is an option to evaluate the impact of a risk consequence on other user-defined risk evaluation areas. Analysis categories enable categorization of potential problems. These are defined in Risk Basic Data available to be used for all risk analysis. It is also possible to create analysis categories that are specific for a particular risk analysis.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

RESOURCE MANAGEMENT CONSIDERATIONS

The new Resource Management concept provides multiple benefits compared to previous versions of IFS Applications and is also a platform for continued improvement possibilities. However, there are some areas where the new broader Resource concept is not yet fully implemented and where the functionality is only working for a part of the Resource Management concept, as described in the following sections.

OVERHEAD RULES

Project Overhead Rules have been updated to consider the new Resource Management concept, although the creation of overhead rules is limited to Person Resource Groups marked as Used in Project. In other words, this functionality cannot be used for Tool or Machine Resource Groups, nor for Resource Groups not set to be Used in Projects.

MANUFACTURING RESOURCES

When Resources are defined to be Used in Manufacturing, some constraints will be applicable when setting up these resources. It is mandatory for Manufacturing resources to be connected to a company and to a site, but they cannot be multi-company or multi-site and therefore cannot be connected to several companies or sites. A manufacturing resource group cannot have sub-groups

which means that a hierarchy of resources used in manufacturing cannot be created. If a hierarchy is needed, only the lowest level group should be set up to be Used in Manufacturing.

Resource Groups that are set to be Used in Manufacturing are connected to a corresponding Work Center or Labor Class. On the resource group, it is possible to define a cost which will be used in Project Resource Planning to get the planned cost for the resource. In addition, it is possible to separately define a cost on the Labor Class or Work Center. These costs are not synchronized with the Resource Group cost. If the costs are set up differently on the Resource Group compared to the cost on its corresponding Work Center or Labor Class, the planned cost on the project will differ from the cost in manufacturing.

The new functionality, where the planned resource cost from Work Orders consumes from planned project hours, is not available for Shop Orders. This means that the project-connected shop order will always contribute with its own resource planned cost, even if there are planned costs from project resource planning.

Manufacturing resource load does not have a demand status that could be used in the resource analysis.

COST ELEMENT FOR TOOL RESOURCES

If a Tool Resource Group is set up to be Used in Projects, this tool must have a connected cost element in order to plan it on a project or a project-connected work order. No posting control simulation is executed when planning the tool on a project, and the cost element on the tool is therefore needed to get the cost to the project. For tools not used in projects, this setting is not needed.

RESOURCE ACTIVITIES FOR DEVIATION CYCLES

Resource activities are created for absence originating from deviation cycles. Since a deviation cycle can be very long, in some cases with end date 9999-12-31 (when the deviation cycle end date is not known), it is necessary to limit the period for which resource activities for deviation cycles are created. Therefore, the resource activities for deviation cycles are created by a database scheduled task called Extend Resource Activities for Employee Deviation Cycles. The scheduled task will run as a background job and create resource activities according to the horizon set in resource capacity basic data.

PROJECT DELIVERABLES – SHIPMENT

In IFS Cloud 21R1, Project Deliverables only supports the final shipment to the customer. Presently, the shipment of non-inventory parts or condition code enabled parts is not supported.

PROJECT ACCRUALS

When non-deductible tax codes are used in the subcontract items, the non-deductible amount of the tax is considered as contract cost and added to the cost postings.

The Project Accrual solution has the limitation that non-deductible tax is not taken into account for calculation and posting of subcontract accruals cost. This solution provides a higher-level summarization of subcontract items (i.e. the subcontract items are summarized by subcontract number, item currency and cost element) to assess the progress (valuation) of the contract and derive the accrual amount for a certain accounting period. The solution does not automatically



include the non-deductible tax related cost amount for the accrual assessment, in the calculated accrual amount.

The implication to the subcontract cost and accruals when using non-deductible taxes is not supported in the project accrual solution. As an alternative, the assessments need to be done manually considering any costs due to the use of non-deductible taxes.

INTEGRATION WITH MICROSOFT PROJECTS

Integration with Microsoft Project is not available in IFS Cloud 21R1.

RISK MANAGEMENT INFORMATION SOURCES

Information sources for Risk Management is not available in IFS Cloud 21R1.

PRODUCT EXPERIENCE

1. PRODUCT

These release notes are for Product Experience (User Experience, Mobile Experience), IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

With this release IFS Aurena is the main interface of IFS Cloud and replaces IFS Enterprise Explorer.

4. DEPRECATED FUNCTIONS

N/A

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

TOUCH APPS SERVER

With the introduction of containerization in the middle-tier the Touch Apps Server has been removed from the architecture. The capabilities within the Touch Apps Server have been replaced by the Aurena Native OData Provider and Aurena Native Sync Service containers.

TOUCH APPS

The following Touch Apps have been removed due to the introduction of containerization:

- CRM Companion
- Time Tracker
- Trip Tracker

IFS ENTERPRISE EXPLORER

IFS Enterprise Explorer has been replaced with IFS Aurena.

ACCESS PROVIDERS

Access Providers have been removed and are replaced with REST APIs as a means to access the storage layer.

APPLICATION SEARCH / SEARCH DOMAINS



The Application Search and Search Domain concepts are removed.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of
AURENA NATIVE RESTRICTIONS

CUSTOM FIELDS

Custom Fields of type Reference are not supported by the IFS Aurena Native Framework.

Custom Fields of type Enumeration with a Multi format are not supported by the IFS Aurena Native Framework.

Before Unapproving a Custom Enumeration that is used in a Custom Field by the IFS Aurena Native Framework the Custom Field must be removed from the IFS Aurena Native Framework to avoid errors in the mobile applications.

DARK MODE

Dark Mode is only supported on Windows. Dark Mode is not supported for Android & iOS and enabling it has no impact on the apps.

CUSTOMER BRANDING

Dark themes can also be configured as part of Customer Branding for the Aurena Native apps. This feature is limited to OS versions that support Dark Mode, as Dark Theme is applied when device switches to Dark Mode via the OS setting.

On Android, switching to Dark theme is supported from Android 10 upwards.

Dark Theme is not supported on iOS.

REMOTE ASSISTANCE

Remote Assistance features are only available on iOS & Android. It is not supported on Windows.

SERVICE MANAGEMENT

1. PRODUCT

These release notes are for Service Management, IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

N/A

4. DEPRECATED FUNCTIONS

N/A



5. REMOVED FUNCTIONS

N/A

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

SUPPLY CHAIN

1. PRODUCT

These release notes are for Supply Chain, Early Access of IFS Cloud 21R1.

2. PRODUCT OFFERING

New functionality delivered in this release is presented in the release information pages, including news presentations, webcasts and demo scripts.

3. CHANGES IN PRODUCT OFFERING

SALES PART NAME CHANGES

Some sales parts have been renamed at the release of IFS Cloud:

SKU	New Name	Old name
IC12300	Warehouse Management	Inventory
IC12301	Inventory Replenishment	Inventory Planning and Replenishment
IC12303	Sales Order	Customer Order
IC12305	Supply Chain Planning	Multi-site Planning
IC12308	Demand Forecasting	Demand Planning
IC15103	B2B Sales (LTU)	Collaborative Customer Quotation & Order Management LTU (B2B Sales LTU)
IC17303	Web Shop Interface	IFS Web Store Transaction Interface
IC17305	EDI messages in Supply Chain	Distribution:EDI & XML Messages for SCM/Distribution (IFS Webservices)

REMOVED SALES PARTS

SUPPORT CENTER

The Support Center solution and sales part has been removed according to earlier communicated plans in the release notes of IFS Applications 10.

WAREHOUSE DATA COLLECTION

Charging for number of devices using WaDaCO has been removed and the corresponding sales part Warehouse Data Collection CTU is removed. The Warehouse Data Collection (Module) sales part (IC12309) is still valid and this gives access to the administration of WaDaCo in Aurena and the Aurena WaDaCo client in Aurena.

For production environments the Aurena native app IFS Scan It is recommended. Use of IFS native apps require the Warehouse Data Collection App sales part (IC16002).



OIL & GAS AND E-BUYER EXTENSIONS

In IFS Applications 10 the Oil & Gas and E-buyer extensions have been supported by IFS RnD. Extensions has not been and will not be converted to new client framework and are not available in IFS Cloud. The plan moving forward is to include the most important capabilities from the extensions into core.

This means that the following sales parts are not available in this release:

- IFS Ebuyer Extension
- Oil & Gas – Replication
- Oil & Gas – Site Move
- Oil & Gas – Site Move
- Oil & Gas – DNV Authorization
- Oil & Gas – Transport Order
- Oil & Gas – Supplementary
- Offshore Limited Time User

MANAGEMENT AUTHORIZER LTU

The Management Authorizer LTU sales part is removed to be compliant with Oracle agreements.

CHANGED INTEGRATION CONCEPT

Earlier sales parts Distribution: EDI & XML Messages for SCM/Distribution (IFS Webservices), IFS Web Store Transaction Interface and FSM Integration Framework contained web services former known as IFS Biz API:s.

The Biz API integration technology is obsolete in IFS Cloud and is replaced by new concepts for inbound and outbound operations. Find more information below in this document and in the supply chain news presentation. Also note the name changes mentioned above.

GOODS MOVEMENT WITH SHIPMENT ORDER

A new component SHIPOD is introduced, containing the feature called shipment order. This component is part of the Warehouse Management sales part in this release. However, it is likely that shipment order will be moved into a separate sales part in future releases. From a capability point of view shipment order is worth mentioning as it enriches and enhance the product offering in the supply chain area.

The shipment order is used for moving goods between sites and/or remote warehouses within the same company. In this release you can manually create shipment orders and execute the goods movement via the shipment and receipt processes. In the future the shipment order will be used in multiple scenarios e.g. ship direct to service site, refill service van, ship to project/installation site.

The previous features for goods movement are:

- Move Inventory Part and Transport Task
- Multi-Site Order and Distribution Order

These features will remain; however, they are beneficial in different scenarios. The shipment order is suitable when you have stock movements but no internal trade, and you still need a delivery and receipt process. In other words when the material is leaving the four walls of the building to be transported on public roads. Transport task is suitable for internal stock movement within the four walls of the building. The shipment order offers a structured shipment and receipt process without



having customer and purchase orders involved simplifying the process and reducing the basic data needs.

When any trade is involved the feature Multi-Site Order and Distribution Order is still the way to go.

4. DEPRECATED FUNCTIONS

These functions have been deprecated in this release, planned to be removed in next release.

NO PLANNED DEPRECATED FUNCTIONS

5. REMOVED FUNCTIONS

The following functions have been removed in this release:

SUPPORT CENTER

The Support Center solution has been removed according to earlier communicated plans in the release notes of IFS Applications 10.

Support Center was a basic case handling system for internal or external case management very much overlapping with the much more capable Call Center solution. Call Center is the solution to consider replacing any use of Support Center.

SUPPORT FOR WINDOWS MOBILE REMOVED – WADACO

From IFS Cloud release there will no longer be support for running WADACO on Windows Mobile. Microsoft have stopped supporting Windows Mobile since December 2019.

Instead it is possible to run WADACO in Aurena as web client or as a dedicated app for either Windows, Android or iOS.

NEED FOR TOUCH APP SERVER (TAS) REMOVED - WADACO

For the IFS Cloud 21R1 release there is no longer needed to have TAS installed. Login is done using a URL and the user ID credentials. To support this there are new apps released for Android, Windows and iOS to be used for IFS Cloud. The new apps are all named “IFS Scan It”. Older versions of apps have been renamed to reflect which IFS Applications version they apply for.

6. RELEASE RESTRICTIONS

These release restrictions and limitations are important to be aware of:

TRACKING OF MANUFACTURER INFORMATION

The functionality for tracking manufacturer information is based on requirements from Defense Manufacturing Extension. It has not been the objective to make information regarding manufacturer information available in all different places of the application. Manufacturer tracking information can be entered in the register arrival flow, is then saved in either part lot batch or part serial objects and visible/searchable in the inventory transactions page. It is possible to update manufacturer tracking information after arrival in part lot batch or part serial objects.

This limitation is mentioned to clarify the scope and the objective of this capability. There are at this point no plans to extend the visibility of manufacturing tracking in the application.

The WADACO process for Register Arrival has not been updated to include the new fields required for tracking manufacturer information.

ITALY INTRASTAT – GET2CORE

Compared with the GE10 release and Italian localization, the following features for Italian Intrastat are not included:

1. Transaction Type column has not been implemented in the intrastat lines. Therefore, it is not possible to adjust information in the intrastat report according to the transaction type values “fiscal purpose only” or “statistic purpose only”.
2. CPA code for Manufacturing – It is possible to define basic data in Company and Purchase Part, but data will not be fetched in the intrastat lines automatically.

Note that in GE10, the same functional limitations exist with minor difference. These limitations are mentioned just to point out the difference from earlier versions and there is no plan to make any adjustments moving forward.

GOODS MOVEMENT WITH SHIPMENT ORDER

Below is a summary of current limitations for the shipment order. For now, the shipment order doesn't handle:

- Project inventory
- Other ownership than company owned
- No Part and/or Non-Inventory Part
- Inspection and Return in the Receipt
- Warehouse Task

This will be addresses in future releases.

In addition, the shipment order doesn't support goods movement between companies. It might be that this capability will be added but it is not decided if this is the correct strategic way to go. This will we evaluated in future releases.

REPLACEMENT OF BIZ API´S – NO DOCUMENTATION SUPPORT FOR OUTBOUND OPERATIONS

API explorer is the new documentation solution in IFS Cloud 21R1. This solution will not support documentation for outbound operations, thus there will be no attribute or service description available in this release for outbound operations. However, an excel sheet will be made available on the release page, this file will include mapping structure to old BIZ API´S and attribute descriptions for all outbound operations handled by supply chain.

REPLACEMENT OF BIZ API´S – EXTRA ATTRIBUTES IN OUTBOUND MESSAGES.

In the early access release, there will be some internal attributes shared in the outbound messages which will not be kept for general availability. The intension is to remove these for the General Availability release.

REPLACEMENT OF BIZ API´S – NO SERVICE DESCRIPTION OR MANDATORY INDICATION IN THE DOCUMENTATION.

In the early access release, there will be no descriptions for integration services or mandatory indication for the attributes in the documentation. The intension is to add this for the General Availability release.

