



Unit4 ERP 7

Unit4 Cloud Service Description

VERSION 1.5

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1. Introduction

Unit4 ERP 7 is an ERP solution designed for people centric organizations. It provides a fully integrated data model, processing model and reporting model, enabling our customers to manage all their key business areas in a single suite:

- Corporate Financial Management;
- Procurement Management;
- Project Management;
- Field Service Management;
- Human Resources & Payroll;
- Planning, budgeting & forecasting;
- and Research Management.

Unit4 ERP 7 is highly adaptable when business needs change, combined with providing a low cost of ownership.

The purpose of this Appendix is to describe the cloud service composition provided to the Customer.

Unit4 provides a complete technically-managed solution for Unit4 ERP 7 deployed in the public cloud. This end-to-end service includes infrastructure, hardware, system software, monitoring, management and maintenance of the entire solution (including backups), disaster recovery and service updates.

Unit4 offers cloud enterprise solutions as Software as a Service: Unit4 SaaS - a software as a service delivery model deployed on Microsoft Azure or on Nordic data center (Conapto AB) data centers. This model leverages of Microsoft Azure's scale and experience of running highly secure and compliant cloud services around the globe. Microsoft Azure's infrastructure is second to none in terms of physical and electronic security, and it adheres to industry standards such as ISO 27001, SOC 1 & 2, PCI DSS and many more.

Unit4 ERP 7 is available as a shared option (default), where compute resources are shared between customers without any interference and a dedicated option where compute resources such as Web server, SQL server and Business server, are dedicated to a single customer.

In summary, Unit4 provides the following:

- Full deployment of Unit4 Products, including any required administration desktop, web client and mobile web sites and API's/web services.
- All user access to Unit4 ERP 7 is over secure internet connections (HTTPS). A variety of browsers and mobile platforms are supported. There is an Azure ExpressRoute option to provide a private communications channel.
- Comprehensive integration options available, including the use of Unit4 API's/Web Services, batch file-based interfacing and SQL read-only access to data (Dedicated option).
- Infrastructure is fully scalable, in a high availability environment with redundancy in critical aspects such as power, hardware, network communications.
- Firewalls, anti-virus and access controls.

- Continuous monitoring is in place, covering servers, services and applications, feeding alerts and continuous improvement.
- Application of all updates, patches, Hot Fixes to Unit4 and other supporting software.
- Production and Non-Production Environments with a separate database for your data.
- Forgiveness restores (where applicable), plus disaster recovery in a physically separate secondary site.
- Service Level Agreement, with service credits based on service availability.
- Unit4 Community4U to engage with Unit4 directly, giving insight in the service performance indicators and see the status of services.

Various Azure regions leveraged to enable Unit4 to meet your data residency needs; your data always resides within a specified a geopolitical zone (except where explicitly stated otherwise).

2. Data centers & data residency

Unit4 Global Cloud Services use the Microsoft Azure infrastructure and platform services, and Nordic data center (Conapto AB) to deliver the Unit4 SaaS. These services are delivered from within different geopolitical zones, using a primary and a secondary location in every zone to meet service level commitments and disaster recovery needs. The location within each geopolitical zone is at the discretion of Unit4 and can change from time to time. The table below contains details of the geopolitical zones, along with the data center locations. For more information, see Azure region details: azure.microsoft.com/regions and Nordic data center (Conapto AB) details on www.conapto.se.

Geopolitical zone	Provider	Data Location (Countries/City's/Regions)	Time Zone
EU	Microsoft Azure	Dublin, Ireland and Amsterdam (DR), Netherlands	CET/CEST
USA	Microsoft Azure	Texas and Iowa (DR)	CST/CDT
Canada	Microsoft Azure	Quebec City and Toronto (DR)	EST/EDT
United Kingdom	Microsoft Azure	London and Cardiff (DR)	GMT/BST
Asia	Microsoft Azure	Singapore and Hong Kong (DR)	SGT
Australia	Microsoft Azure	Victoria and New South Wales (DR)	AEDT/AEST

Geopolitical zone	Provider	Data Location (Countries/City's/Regions)	Time Zone
Norway	Microsoft Azure	Stavanger and Oslo (DR TBD)	CET/CEST
Sweden	Nordic data center (Conapto AB)	Sätra and Sollentuna (DR)	CET/CEST

Unless agreed in a deviation schedule the chosen deployment of the Customer will be as follows:

Customer residence	Geopolitical zone used	Available solutions
APAC	Asia	All
Australia/New Zealand	Australia	All
Canada	Canada – Azure	All
EU	EU – Azure	All
Sweden	Nordic data center (Conapto AB)	Unit4 ERP 7 and Unit4 FP&A
Norway/ Denmark	Norway – Azure	All
UK	UK – Azure	All
US	US – Azure	All

In the unlikely event the primary and secondary redundancy of the network in a geopolitical zone fails, connections are rerouted using tertiary redundancy in the following way.

Primary	Secondary	Tertiary
Geopolitical zone EU	Geopolitical zone EU	Geopolitical zone UK
Geopolitical zone UK	Geopolitical zone UK	Geopolitical zone EU
Geopolitical zone USA	Geopolitical zone USA	Geopolitical zone Canada
Geopolitical zone Canada	Geopolitical zone Canada	None

Primary	Secondary	Tertiary
Geopolitical zone Asia	Geopolitical zone Asia	Geopolitical zone Australia
Geopolitical zone Australia	Geopolitical zone Australia	Geopolitical zone Asia
Geopolitical zone Norway	Geopolitical zone Norway	TBD

3. Service model

Unit4 ERP 7 is available in 2 main models:

1. in a shared deployment model; and
2. in a dedicated deployment model.

Unit4 ERP 7 dedicated model provides the same service offering as the shared model with the distinction that computing resources such as Web server, SQL server and Business server, are not shared with other Unit4 Customers, and are dedicated to a single Customer. The dedicated deployment option is not available for the Unit4 People Platform Services, these are always shared (Unit4 People Platform Services are Multi-Tenant).

Please note that not all models are available for all solutions and/or data centres. In summary form the characteristics of each of these models is as per table below:

Category	Component	Shared	Dedicated
SOLUTION	Release elasticity: Ability to defer a Release for 6 months (maximum)		Yes
	All patching, updates of the standard solution (technical)		Included and automatic
INFRASTRUCTURE	Environments included	1 Production + 2 Non-Production (Preview and Acceptance) ¹	
	Storage (Documents)	250GB	
	Availability guarantee	Yes	
	Response time guarantee	Yes	

¹ Three (3) environments set up is a new standard applicable to Customers that got their Agreements signed with effect from May 2020.

Category	Component	Shared	Dedicated
	Data centers	Microsoft Azure and Nordic data center (Conapto AB)	Microsoft Azure
	Dedicated deployment	No	Yes
SERVICES	Releases will commence	Automatically, with possibility to defer	
	Updates will commence	Automatically	
	On-going technical operations, performance management, maintenance of all infrastructure components, monitoring alert response and issue resolution	Yes	
	Backup & Restore services	Yes	
	Disaster Recovery	Yes	
	Monitoring program of infrastructure and application	Yes	

4. Environments

Three (3) environments are provided², including:

- One Production Environment (PE) called alternatively “live” environment, being the environment that the Customer uses to run the day to day (live) operation; and
- Two Non-Production Environments (NPEs):
 - Preview – a Customer's Preview environment always contains the latest updates for the Unit4 Product in use by the Customer.
 - Acceptance – which can be used according to Customer needs as “Test” / “Quality” / “Development” / “Pre-Production”.

² Three (3) environments set up is a new standard applicable to Customers that got their Agreements signed with effect from May 2020.

Additional environments can be provided at an extra charge.

People Platform Services

Unit4 People Platform services are Multi-Tenant, shared services. Except where explicitly stated in the service's Service Description, each Unit4 People Platform service has a Preview instance and a Production instance; there is no concept of Customer specific instances of Unit4 People Platform services. As such, no additional instances of Unit4 People Platform services are provided.

4.1 Production Environments

Only the Production Environment (PE) is a subject to the Service Level Agreement.

4.2 Non-Production Environments characteristics

Although a Non-Production Environment (NPE) is not a subject to the SLA, NPEs have some characteristics as described below.

Definition of an NPE refresh from or to PE

A refresh of an NPE from PE encompasses:

- The restore of transactional database(s)
- The restore of non-transaction data store
- Copy of most recent 90 days of documents or the most recent 2Gb of documents, whichever results in greater amount of documents (blob store)
- Custom report templates (e.g. Purchase order template, invoice template, etc.)
- Customisations
- Report output from last 90 days. There is no NPE refresh option for Unit4 People Platform Services.

Point in time used

The NPE refresh is from a point in time prior to the current business day. The specific point in time is selected by Unit4.

Frequency of NPE refresh from or to PE

Where the PE and NPE are at the same Release level or at the different Release levels, one refresh per NPE per month is included.

Additional requests will give an extra charge per refresh per NPE.

How to request a refresh?

Refreshes must be submitted to Unit4 by a Named Support Contact using a Service Request in the Unit4 Community4U.

Throughput time

A NPE refresh from PE will be available for use at the start of the second business day following the Service Request acceptance (depends on the contracted support level).

Users accessing an NPE

NPEs are configured to handle maximum of 15 concurrent users.

Customer responsibilities

Customer needs to manage non-production WIP such as non-production report templates (e.g. in progress changes to purchase order report template) as refresh will replace WIP with copies from production.

What happens to the previous NPE details after a refresh?

Everything in NPE environment will be erased and replaced with a fresh copy from PE; same reports as in PE, same data as in PE, etc.

Update of an NPE to a new Update

The Preview environment is updated as soon as an Update is available following an announcement of Unit4. Once an NPE has been updated to the latest Update, it is not possible to move back to the previous Update.

Backups

Backups of NPE are made daily in the time zone of the geopolitical zone in use. Backups of NPE are kept for fourteen (14) calendar days.

Restores

A restore request can be made by issuing a Service Request in the Unit4 Community4U. Throughput time, amount of included restores and the charge is same to a refresh of a NPE. Please note there is no Customer specific restore option for Unit4 People Platform services.

5. Reporting and monitoring

5.1 Reporting on Service Performance

Unit4 provides operational information regarding the Unit4 Global Cloud Services on the Unit4 Community4U. That information includes:

- Service availability
- Monthly Average Response Time
- Scheduled maintenance (times, dates per region)
- Release information and deployment schedules
- Incidents overview
- Site recovery status (in the event of the disaster plan initiation)

5.2 Monitoring program

A continuous 24x7x52 monitoring and resolution program is in place to detect and resolve incidents to meet the Service availability and response time targets.

The monitoring covers availability and response times.

6. Releases and updates

Periodically, Unit4 introduces new features in the Unit4 ERP 7 Service including enhanced features and functionality across applications. Features and functionality will be made available as part of a Release. As part of regular maintenance Unit4 will apply Updates and Hot Fixes, as deemed necessary by Unit4 in order to maintain the existing features of the Unit4 Global Cloud Service and to maintain service level commitments and security.

Releases and Updates will be provided free of charge as part of the Service. However, it should be noted:

- Any Releases or Updates may result in additional Configuration and/or functional adjustments that are required to be made by either: (i) the Customer; (ii) Unit4; or (iii) approved service partner consultants, which are not included in the Unit4 Global Cloud Service and would be chargeable.
- Where any Release or Update replaces or updates any Customisation or non-standard functionality utilised by Customer, the Customer will be required to adopt the standard functionality. Unit4 reserves the right to charge a reasonable fee to provide assistance to the Customer to the extent any such Release or Update replaces or updates any Customisation or non-standard functionality utilised by Customer and Customer wishes to maintain the previous Customisation or non-standard functionality.

6.1 Release deployment

Releases may take place approximately twice per year. The frequency of Releases may be increased or decreased at Unit4's discretion. Releases may take up to twelve (12) hours to deploy, resulting in the Service being unavailable for some or all of that time (such unavailability shall not be counted as service downtime for the calculation of Service Availability). A schedule of planned deployment of Releases to the Production Environment will be published on the Unit4 Community4U. A Customer's Preview environment always contains the latest updates for the Unit4 SaaS solution in use by the Customer. Unit4 will use reasonable endeavours to ensure that Releases will be carried out during the Planned Maintenance window.

[APPLICABLE FOR UNIT4 PEOPLE PLATFORM SERVICES]

Given the foundational nature of the Unit4 People Platform services, releases of Unit4 People Platform services occur more frequently than end user facing aspects of Unit4 business solutions. Unit4 People Platform service releases are deployed in a transparent manner and result in no downtime. As such, Unit4 People Platform service releases can be deployed outside of Planned Maintenance windows. In rare cases when downtime is necessary, the release will be performed during a Planned Maintenance window. Details regarding changes contained in a Unit4 People Platform service release can be found on the Unit4 Community4U as soon as the release has been deployed. Releases of Unit4 People Platform services cannot be deferred.

6.2 Update Deployment

Updates are applied for all service models as deemed necessary by Unit4 Global Cloud Service operations in order to maintain the existing features of the Unit4 Global Cloud Service as well as maintaining service level commitments and security.

An update calendar per geopolitical zone will be released at least 4 weeks before an update commences on preview. The Production Environment will follow no sooner than 9 weeks after the update announcement. Updates are not capable of being deferred.

Please note there is no concept of an update to Unit4 People Platform services. All changes to a Unit4 People Platform service are considered a release of the service.

6.3 Hot Fix Deployment

Hot Fixes are applied as deemed necessary by Unit4 Global Cloud Service operations in order to maintain the existing features of the Unit4 Global Cloud Service as well as maintaining service level commitments and security.

Please note there is no concept of an update to Unit4 People Platform services. All changes to a Unit4 People Platform service are considered a release of the service.

7. Planned and unplanned maintenance

7.1 Planned Maintenance

Currently, the Planned Maintenance window is from Saturday 18:00 to Sunday 06:00 CET/CEST on the 4th week of every month. For Nordic data center the Planned Maintenance window is Monday from 20:00 to Tuesday 03:00 CET/CEST every week. Next to that a Planned Maintenance Window might be planned twice (2x) in a 12 months period to deploy a software Release from Saturday 18:00 to Sunday 06:00 CET/CEST. The Production Service may be periodically unavailable at this time. Planned Maintenance windows are subject to change upon reasonable notice.

The exact dates of Planned Maintenance windows are communicated in the Unit4 Community4U.

If actual downtime for scheduled or planned maintenance exceeds the time allotted for Planned Maintenance, it is considered part of the calculation for Service Outage. If actual downtime for scheduled or planned maintenance is less than time allotted for Planned Maintenance, that time is not applied as a credit to offset any Service Outage time for the month.

Planned Maintenance can also be carried out by Unit4 provided that the Customer has received at least 8 hours' notice. This will occur in unforeseen or exceptional circumstances only (similar to emergency / Unplanned Preventative Maintenance) to deal with a vital or critical issue and Unit4 will use its reasonable endeavours to do this outside Business Hours to cause minimal disruption to the Customer. In this case, because Unit4 provides Customer 8 hours' notice, this maintenance does not count as Service Outage. This is so that Unit4 is

not encouraged to wait until the next Planned Maintenance window to deal with an urgent issue and avoid a Service Credit penalty.

7.2 Unplanned Preventative Maintenance

Unit4 may carry out Unplanned Preventative Maintenance if there is an urgent requirement to secure the stability, or the security of the Unit4 Global Cloud Service. This action may be taken at the discretion of Unit4 for unforeseen and exceptional circumstances, which require immediate resolution that cannot wait until the next Planned Maintenance window.

Unplanned Preventative Maintenance is counted as a Service Outage.

8. Customer permissions and responsibilities

8.1 Customer permissions

Customer has the right to:

- 1) Monitor PE availability and Service Response Time on an active basis using a third-party monitoring service. Monitoring acts as a consumer of the Unit4 Global Cloud Service and is subject to any and all present and future Usage Restrictions of the Unit4 Global Cloud Service. Customer and Unit4 must agree, prior to monitoring, on monitoring details in order to ensure that the monitoring does not interfere with the Unit4 Global Cloud Service offering and that Unit4 Global Cloud Service security tooling does not block the monitoring service.
- 2) Conduct an external security vulnerability scan on an annual basis. Details of the planned scan must be provided to Unit4 at least 30 days in advance of each scan using a Service Request.
- 3) Conduct a security penetration test on an annual basis. Details of the planned test must be provided to Unit4 at least 30 days in advance of each test, using a Service Request.

Any activities to prepare, coordinate or manage the above by Unit4 is subject to additional charges.

8.2 Customer Responsibilities

Release and Service Updates

The following list summarizes typical Release and/or Update tasks and indicates services included as part of the Unit4 Global Cloud Service and tasks that are the responsibility of the Customer (or by Unit4 Professional Services at an extra charge):

Task	Included	Customer Responsibility
Project Planning		
<ul style="list-style-type: none"> Publishing general availability schedule of Releases on the Unit4 Community4U 	✓	
<ul style="list-style-type: none"> Managing timelines, outline goals, roles and responsibilities 		✓
<ul style="list-style-type: none"> Business analysis and discovery 		✓
<ul style="list-style-type: none"> Creating test plans 		✓
Release deployment in Preview environment		
<ul style="list-style-type: none"> Update Preview environment with Release 	✓	
<ul style="list-style-type: none"> User training on changes 		✓
<ul style="list-style-type: none"> Test: conducting basic Release testing 		✓
<ul style="list-style-type: none"> Training support to assist with testing 		✓
<ul style="list-style-type: none"> Functional and user acceptance testing as desired 		✓
<ul style="list-style-type: none"> Training, implementation and Configuration for new features 		✓
<ul style="list-style-type: none"> Uplift and testing of all Customisations 		✓
<ul style="list-style-type: none"> Reviewing test scripts and testing outcome for issues resolution 		✓
<ul style="list-style-type: none"> Go/No-go criteria's and agreement on Production Release deployment timing 		✓
Release deployment in Production		
<ul style="list-style-type: none"> Update existing application Configuration, being all activities undertaken to set up application provided by the service which involve the use of standard menus and functionality. There may be rare cases where it is not technically possible to determine the correct business Configuration; in these rare cases any tasks that must be completed manually are the responsibility of the Customer. 	✓	✓

Task	Included	Customer Responsibility
<ul style="list-style-type: none"> Update Production Environment with Release 	✓	✓

Customisation update responsibilities

Unless otherwise agreed, Customer responsibilities include Customisation code lift and testing for compatibility, functional testing and any application (re)Configuration.

Unless otherwise agreed, any Customisations that are not updated to run on the current Release (n) in time for the production Release or Service Update deployment will be disabled in the Production Environment prior to Release deployment.

Technical & functional responsibilities

Technical Environment responsibilities:

- Supply, administration and maintenance of customer-side client devices and local printers.
- Customer-side networking infrastructure, including connectivity to the internet.
- Security of customer-side network, devices and internet connectivity.
- Ensuring sufficient bandwidth, including internet bandwidth

Functional Environment responsibilities:

- Customer is fully responsible for the Configuration and administration of the functional aspects of the Service, including user and role administration.

8.3 Customer Obligations

Account Set-up

Customer is responsible for designating its Users, and for ensuring that all Users are adequately trained and understand Customer's remote access and use obligations and requirement to comply with Unit4's acceptable use policy (www.unit4.com/terms). Where applicable each individual User must establish an Account. Customer is responsible for managing its Accounts and disabling a User's Account when Unit4 Global Cloud Service access is no longer required, including immediately upon termination of such User's affiliation with Customer. Customer is responsible for its Users' acts and omissions and for all activities occurring under its Users' Accounts.

Account Administrator

Customer will designate one or more Account Administrator(s). The Account Administrator(s) responsibilities include, but are not limited to, coordinating with Unit4 regarding the Unit4 Global Cloud Service and managing Customer's Accounts. Customer warrants that its Account Administrator(s) will maintain authority to act on Customer's behalf concerning the Unit4 Global Cloud Service, and that Unit4 can rely on the Account Administrator(s) actions and instructions in connection therewith.

Account Security

Each User is responsible for keeping his or her Account credentials confidential. Users may not share Account credentials, and Customer may not recycle Account credentials when activating or disabling Accounts. Customer will notify Unit4 immediately upon discovering any known or suspected unauthorized access to, misuse of, or breach of security for the Unit4 Global Cloud Service or its Users' Accounts, and will provide all information and take all steps requested by Unit4.

9. Localisations and Add-ons

The service includes localisations developed for our key strategic territories and verticals, securing legal, statutory and market standard requirements and Unit4 ERP 7 Add-ons, which can accelerate certain business requirements in certain verticals or territories.

Customer ordered localisations and Add-ons will be made available to the Customer in the next available maintenance window (please see Unit4's Generic Service Description for more information).

The localisations available depend on the Customer's home country. An overview of all available localisations and Add-ons included is provided in the last chapter of this document.

Please note that not all add-on products are available in both Unit4 ERP 7 shared and Unit4 ERP 7 dedicated models. A complete overview can be found in schedule B and C of this document.

10. Customisations, integrations, custom reports and fields

Customisations, custom reports and integrations are permitted and can be written by Unit4, Unit4 partners or the Customer. Maintenance, support, implementation and update considerations for these custom components are not included in the Service fee.

Customisations are not supported by Unit4 under Standard Support. The Customer has sole responsibility for the Customisations, custom reports and integrations, as well as their maintenance and Unit4 has no responsibility to maintain compatibility or fix any problems

resulting from the use of non-standard software. This includes any custom development or Customisation (including Unit4 delivered Customisation as part of a project implementation, bespoke code written by Unit4). If any assistance is required in regard to Customisations and/or bespoke work, Unit4 may be able to assist with resolving issues or with upgrades of the Customisation, but this will be subject to review and extra charge. Customer will be required to purchase Professional Services at Unit4's Prevailing Rates.

10.1 Unit4 Created Customisations

Maintenance of Unit4 authored or created Customisations, including custom entities, fields, relationships, screens, reports, imports, exports, workflows, interaction plans, lookup data, localisation files, C# / Java /etc. code, database views, web styles and scripts, are outside the scope of Unit4 Global Cloud service model offerings. Maintenance, support, implementation and update considerations for these components are not included in the Unit4 Global Cloud fees.

10.2 Restrictions in Customisations

In general, there are restrictions regarding allowing Customisations in Unit4 ERP 7 SaaS including but not limited to:

- no third-party applications/DLL installed
- no direct access to local resources such as file system, network, etc., access must be indirect via approved methods that provide abstraction from specific infrastructure
- all Customisations must be delivered fully documented
- any code needs to be transparent and readable delivered to Unit4
- all Customisations must include installation routines that require no manual interaction and allow for end users to validate installation has been completed and the Customisation ready for Configuration or use via standard application capabilities

10.3 Customisation Review process

Unit4 reserves the right to review all Customisations submitted by customers in order to protect the security, stability and performance of the Services. In such event Unit4 may ask for the source code of the Customisation in order to assess the risk to the stability, security and/or performance of the Service. In case Unit4 identifies a reasonable concern Unit4 reserves the right to reject the Customisation.

10.4 Unit4 APIs backward compatibility

Unit4 recommends using the most recent version of the Unit4 APIs in order to receive optimum performance and stability. Prior versions of Unit4 APIs are updated to support backward compatibility for all prior versions of Unit4s APIs that have not reached an end-of-life status. End-of-life announcements will be made not less than eighteen (18) months before the end-of-life of each Unit4 API.

10.5 Permitted tools

The following Customisation and Custom Report tools are permitted. These may be created by Unit4, Unit4 partners or by the Customer themselves using Unit4 ERP 7 tools. Please note that prerequisite is that all Customisations must be reviewed by Unit4 according to the Customisation review process (Appendix E paragraph 10):.

- ACT DLLs and other solutions created with the ACT tools taking into account the following constraints:
 - a. Use of standard ACT methods and Unit4 ERP 7 APIs/web services where applicable.
 - b. No direct access to file system except via standard Unit4 ERP 7 environment variables for Import, Export locations (Note: this will change as use of file system will be eliminated in favour of blob storage).
 - c. No access to infrastructure or operating system level capabilities e.g. Start.Process or other process mechanisms
 - d. No dependence on registry.
 - e. No code based dependence on static server host name, IP address, etc.
 - f. Must operate within a dynamic infrastructure based environment (e.g. no sticky sessions)
 - g. No 3rd party DLL or EXEs included with Customisation, only Unit4 ERP 7 and standard .NET Framework permitted
- DataLoad
- IntellAgent (with read-only SQL)
- Xtra Reports
- ARC reports
- Excelerator - Installed on local desktop of the Customer
- Worderator - Installed on local desktop of the Customer
- Report engine to view data
- Report writer (ARW, with read-only SQL) to view data
- Browse table to view data
- Additional Database View (created via Unit4 ERP 7 Desktop Standard View definition screen) on the Data Model (for reporting purposes).
- Workflow (with additional Database View created via Unit4 ERP 7 Desktop standard View definition screen).
- Sql reader
- Optionally Queue administrator

10.6 Query definitions and stored procedures

In Unit4 SaaS you are able to use (SQL) Query definitions and stored procedures in Production Environments, prerequisite is the Query definition and/or stored procedure was reviewed according to the Customisation review process by Unit4 (paragraph 10.3).

10.7 Maintenance of Customisation, Custom Reports and Integrations:

- Maintenance, support, implementation and update considerations for these components is not included in the Unit4 Global Cloud subscription fee.

- Customer or Unit4 partner authored Customisations, custom reports and integrations are the full responsibility of the Customer for all aspects of deployment and maintenance. Customer responsibilities include code lift for release version compatibility, functional testing and configuration and error resolution.
- Unit4 authored Customisations, custom reports and integrations are outside the scope of Unit4 ERP 7 SaaS. Maintenance of Customisations, custom reports and integrations must be formally set up and included on an executed Order form to ensure that Unit4 takes responsibility. If Unit4 maintenance of Customisations, custom reports and integrations has not been included on an executed Order form, responsibility for all aspects of deployment and maintenance will reside with the Customer.

10.8 Custom Report Authoring

Custom Reports created by Unit4, Unit4 Partners or by the Customer themselves are permitted. Authoring / creation of reports has the following considerations:

Custom reports authored by the Customer	Authored via Internet Browser?
(Information) Browser reports	Yes ¹
Standalone Excelerator reports	No ²
Standalone Xtra reports (ARC is allowed but not preferred)	No ²

Notes:

1. (Information) Browser reports are authored and deployed using the standard Web and or Desktop client.
2. Excelerator, ARC and Xtra reports are created via Unit4 reporting tools (e.g. Unit4 ERP 7 Report Engine) that must be installed and run on a customer's own local PC's. MacOs users need to use a virtualization solution to access a Windows desktop to Unit4 reporting tools. Authored and tested report files are submitted to Unit4 Global Cloud Operations for installation to the Production Environment. The Customer has access to place custom reports into their Non-Production Environment(s) directly themselves.

10.9 Integrations

Integrations are permitted according to the supported integration methods described below. Integration methods not explicitly stated below are not permitted.

Standard Unit4 product integration options

Integration Type	Available?
Unit4 FP&A integration through its ETL, where Unit4 ERP 7 financial data, intercompany data, cash data and	Yes

metadata are extracted by Unit4 FP&A. Please also review the Unit4 FP&A Cloud Service Description.	
Unit4 Student Management integration through MessageHub for personnel, students, open items, general ledger transactions and reversals.	Yes

Other integration options

Integration Type	Permitted?
Integration using Unit4 ERP 7 API / web services	✓
Integration using standard export files over SFTP generated by / import files imported by Unit4 ERP 7 standard server processes 1	✓
Integration using export files created by custom report templates against standard Unit4 ERP 7 server processes or Customisation routines 1	✓
Integration requiring read-only direct database access 2	Additional service offering - Direct Database Access

Notes:

1. Via folder access that is restricted to nominated administrative users (Data Export, Data Import, Report Results and Server Logging folders).
2. Direct database read-only access is not included in the standard offering. See "Direct database access" in the Generic Service Description.

11. Technical operations

11.1 Printing

All printing is carried out on the client side.

11.2 Direct Database access

Direct database access can be provided to a replicated read-only database, as described below. This additional Service is not available for People Platform Services and the Nordic data center. This Service will come at an additional cost:

- A copy of the Customer's transactional database, with a limited set of tables will be made available via one database connection (via TCP/IP TDS endpoint) with read-only access, with one set of database user credentials.
- Customer can request for specific tables/views to be replicated. Any change of the database definition for the custom objects may result in the replication process failure. In

such an event Customer will have to request via service request to reinitiate the replication process.

- Replication process may require to be reinitiated after software upgrades/software updates
- The database connection must be made from the Customer-provided application or system running outside of the Unit4 Global Cloud Service operating environment.
- The copy will be refreshed no less frequently than every 15 mins. Meaning the data will be no older than 15 mins as compared to the source transactional database.
- Any of the Customer's environments are candidates for this option and each has an additional cost.

Customer responsibilities for the direct database access additional service offering include:

- Customer side networking.
- Establishing secure database connections and ensuring data privacy.
- Establishing, monitoring and managing any integrations or other consumption of the database connection.
- Licensing, operating and installing in the customer's IT infrastructure any applications that consume the direct database access connection.

11.3 Connectivity

Access to the web client is delivered over the public internet using an HTTPS connection (RSA 2048 bits - SHA256 with RSA and/or EC 256 bits SHA256 with ECDSA). Access to the Desktop client is carried out using a 2048 bit encrypted thin client connection over TLS with SHA-2 RSA Encryption Algorithm over the public internet.

Internet bandwidth suggestions*

As the configuration and use of Unit4 ERP 7 is highly variable Unit4 can provide only high level bandwidth suggestions; Unit4 ERP 7 (Web Client) – an assumed concurrency factor of 5 gives an average bandwidth requirement per user of 20 - 50 Kbps with a max latency of 100ms; Unit4 ERP 7 Desktop – 100 Kbps per user with a max latency of 100ms.

* Rough guidance only based on simulation testing submitting timesheets. Response times will be dependent upon a variety of factors such as number of users, type of web processing initiated, Customer side internet line capacity and infrastructure set-up such as use of proxies. Note: Unit4 ERP 7 Document Archive usage is not covered by this estimate; uploading or downloading large documents from the Document Archive will consume bandwidth and time as normally experienced with an internet based document upload or download.

Virtual Private Network

Unit4 can provide an optional VPN (IPsec) connection as an option to a replicated read-only database service as described in paragraph 11.2.

Client device terminating the VPN connection has to fulfill following requirements

- Be on the list of supported hardware for RouteBased VPN:
<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpn-devices>

- Support Network Address Translation (NAT) to limit the networks on Customer side to one network with maximum 24-bit mask
- Provide, at minimum, support for VPN settings listed below:

IKE version	IKE v2
IPSec Keying Mode	PSK
IKE Phase 1 – Encryption Algorithm	AES 256
IKE Phase 1 - Authentication	SHA 256
IKE Phase 1 – DH Group	At minimum DH14
IPSec Phase 2 – Encryption	AES 256
IPSec Phase 2- Authentication	SHA 256

For Unit4 ERP 7 interfaces, following connectivity is available:

- Web Application access: Exclusive to VPN, Exclusive to Internet or Available from both Internet and VPN.
- Read-only Database access: Exclusive to VPN.
- Citrix access: Exclusive to Internet or Available from both Internet and VPN.
- SFTP access: Exclusive to Internet or Available from both Internet and VPN.

11.4 Solution access

The Unit4 ERP 7 solution is accessed in the following manner:

- Unit4 ERP 7 (web-client), accessed via a supported web browser.
- Unit4 ERP 7 Desktop, accessed as a remote application via a remote access solution (e.g. Citrix Workspace APP).
- Programmatic access to Unit4 ERP 7 API / web services
- Unit4 ERP 7 mobile applications via APIs/web services.
- Unit4 ERP 7 related folders are accessed according to the following table.

Folders	Access Level for Designated Users
Customized Reports	R/W
Data Export	R/W
Data Import	R/W
Report Results	R
Server Logging	R

R – Read

W – Write

11.5 Authentication

By default, authentication for Unit4 ERP 7 Desktop and Unit4 ERP 7 (web client) is carried out using application-based username and password authentication. Management of users and passwords within the Unit4 ERP 7 application is the responsibility of the Customer.

The Unit4 Cloud services have capabilities for federated authentication to allow customers' users to use their organizational credentials (e.g. domain user name and password) when logging in to an Unit4 application using a web browser (web access). With federated authentication, the Customer's authentication provider (e.g. ADFS, Azure Active Directory, etc.) performs authentication instead of an application-specific user name and password that is validated by the Unit4 application.

In order to use federated authentication there is an optional Service called Unit4 Identity Services or Unit4 IDS. Unit4 IDS supports the following federated authentication protocols:

- OpenID Connect
- SAML-P
- WS-Federation

The Customer is responsible for configuration of their identity provider (IdP) and to provide specific information (required or requested) to Unit4 that allows for configuration of U4IDS.

Unit4 ERP 7 Authentication	Basic (Unit4 ERP 7 specific user name and passwords)	Federated Authentication (via Unit4 IDS to customer's IdP)
U4BW Web	Yes	Yes
U4BW Timesheet (native mobile app)	Yes	Yes
U4BW Expenses (native mobile app)	Yes	Yes
U4BW Tasks (native mobile app)	Yes	Yes
U4BW Unit4Me ((native mobile app)	Yes	Yes
U4BW Web services (SOAP)	Yes	Yes
U4BW Public API (REST)	Yes	Yes
U4BW Report Engine (Excelerator)	Yes	Yes
U4BW Mobile (Field Force Mobile & Absence)	Yes	Yes
U4BW Desktop (via Citrix Workspace APP)*	Yes*	Yes*

* Unit4 ERP 7 Desktop authentication involves two steps; first step is to authenticate using Unit4 Cloud specific credentials against a Unit4 Cloud operated AD and second step using either Basic or Federated Authentication.

Preparing for the use of IDS requires an effort on gathering technical information to connect IDS with the customer's Identity Provider. The implementation of this service requires the involvement of the Unit4 Professional Services.

11.6 Microsoft office components

Unit4 Cloud provide an access for Unit4 ERP 7 users (Desktop Client only) to selected Microsoft Office products in order to:

- open attachments from within Unit4 ERP 7 Smart client
- open documents/files from Data import/Data export folders

The products in scope are as follows:

- Microsoft Excel (English) – optionally, licensed per Smart client user based on the pricing list
- Microsoft Word (English) – optionally, licensed per Smart client user based on the pricing list
- MSG reader (English) – optionally, licensed per Smart client user based on the pricing list

11.7 Supported extensions on Citrix

Unit4 Cloud supports following files to be opened via Citrix:

- Excel spreadsheets (.xls .xlsx .csv) via Microsoft Excel- only if additional option was purchased (see section 8 Microsoft Office Components)
- Images (.png .jpg .bmp) via Microsoft Paint
- Text files (.txt .log) via Microsoft Notepad
- Report files (.fpg) via Unit4 Report Viewer
- PDFs (.pdf) via Adobe Reader
- Word documents (.docx .doc) via Microsoft Word - only if additional option was purchased (see section 8 Microsoft Office Components)

Any other file types not described here have to be copied over and opened on local workstation.

11.8 Technical overview

Topic	Description
FTP	
Protocol	SFTP protocol is used with AES256-SHA2 cipher
Credentials	<p>Seven sets of credentials are provided per environment (e.g. 7 username/passwords for production, 7 username/password for each NPE).</p> <p>By default one credential has access to Data Import, the second credential has access to Data Export folder, the next five credentials have access to the respective custom folders.</p> <p>Next to that Customers will have in their disposition five custom folders under the Data files folder. These folders will have predefined AD groups, and the access will be applied to the top-level only. Customers can request access to the custom folders, and request changes on the environment variables accordingly by raising a corresponding Service Request.</p> <p>Customers can create as many subfolders as they want under the custom folders, and there is no restriction about the naming of the subfolders, however Unit4 does not provide granular access management to subfolders.</p> <p>In order to accommodate a need for restricted access Unit4 provides the above described structure of the custom folders.</p> <p>Customers willing to have more than five custom folders will have to request it separately with additional cost.</p>
Email	
Domain	Unit4 provides basic e-mail functionality for sending messages to recipients with default Unit4 domain, which on request can be configured with custom domain. In case the Customer requires more advanced features (e.g. bounce back emails, DKIM support, IMAP support), Unit4 products can use customer's own email servers, if they are reachable by Unit4 SaaS.
Protocol	SMTP over TLS
Authentication	

Topic	Description
Protocols supported	WS-Federation, SAML-P and OpenID Connect support (see Unit4 IDS Service Description) and application specific credentials
Internet communication	
Protocols supported	HTTPS secured with TLS with RSA SHA256withRSA encryption and/or EC SHA256 with ECDSA

12. Data considerations

12.1 Transfers of Customer Data to the Unit4 ERP 7

Unit4 deploys a standard architecture and therefore, where Customer is an existing Unit4 customer, it is responsible for ensuring data consistency (i.e. that Customer Data to be inserted follows such standard architecture) and that any inconsistencies in Customer Data are appropriately cleansed before such data is inputted into the Unit4 Global Cloud Service.

When Customer requests to copy a database snapshot from outside of Unit4 Cloud environment then it should be free of any Customisation objects. These objects should be sent in a separate Service request and will follow standard Customisation review process.

12.2 Backup and Restore Services

Customers are given the option of a “forgiveness” restore, where a recent Production Service back-up can be restored to the PE in case of a disastrous user mistake (e.g. running month end processing in “live” environment instead of Preview as intended).

Backups are performed to allow for forgiveness restores to be completed with a restoration point as shown below and no later than thirty (30) days prior to current time, to a resolution as shown below. Forgiveness restores should be initiated as a P1 incident and time to complete depends on data volume.

There is no “forgiveness” restore option for Unit4 People Platform services.

Request restore point permitted

between 1 hour prior to the time the request is made and no later than 30 days prior to the time of request to a resolution of 5 minutes

Customer may request a Service Restore report no more frequently than once per month via the Unit4 Community4U using a Service Request. Example:

Current time	Restore Range	
15-03-2017 00:15	13-02-2017 00:15	14-03-2017 23:15
25-07-2017 14:25	25-06-2017 14:25	25-07-2017 13:25
22-09-2017 08:00	23-08-2017 08:00	22-09-2017 07:00

12.3 Data Security

Data in transit

Customer Data in transit is protected with latest TLS encryption levels.

Customer Data at rest

Except for Unit4 SaaS Dedicated and cloud delivery in the Nordic data center (Conapto AB), data at rest is protected using transparent, whole database encryption (e.g. transparent data encryption, and/or whole disk data encryption). When selecting Unit4 SaaS Dedicated an extra fee will be applied to have whole database encryption. Please see the Unit4 Information Security Policy, which is available at www.unit4.com/terms.

Whitelisting

IP Whitelisting is offered as an option that will come at an additional cost in the Unit4 Global Cloud Service, as a means to gain an extended level of control on who has access to the Customers environment. An IP whitelist is a list of IP addresses that are granted access to a certain Service. When an IP whitelist is used, all IP addresses are denied access, except those included in the IP whitelist.

IP Whitelisting is available for the following product – data center – cloud type combinations.

Whitelisting	Data center	Cloud Type	Available?
Web endpoints	Azure,	All	Yes
Web endpoints	Nordic	All	Yes
Citrix	Azure,	Dedicated	Yes
Citrix	Nordic	All	Yes

Customer needs to provide VPN access to their own network for Partners or Unit4 consultants working off network (to allow remote working).

The People Platform Services like Unit4 Identity Services, Unit4 Wanda and Unit4 Extension Kit use dynamic IP addresses, there for IP Whitelisting is not supported for any combination of Global products with any People Platform Services.

12.4 Limits and regulators on usage

Unit4 runs in a Multi-Tenant environment and, as such, Unit4 observes fair use limits so that runaway processes do not monopolize shared resources. When a limit is exceeded, corrective measures will be taken.

For actual usage limits please see Fair Usage Policy at www.unit4.com/terms.

12.5 Access to my data

The Customer's Data is owned and controlled by the Customer and in accordance with Applicable Law, Customer shall be the data controller. Unit4 is the data processor.

To ensure the Customer has access to their Customer Data, the following options are available:

- Application functionality (e.g. Web client, Desktop client, Mobile Apps).
- Application reporting tools.
- Application functionality to export to file.
- APIs/web services.
- Direct DB access to copy of production data via TCP/IP TDS endpoint (see Direct Database Access).
- Upon Agreement termination Customer Data can be retrieved by Customer in accordance with the Agreement (see Appendix A – Unit4 General Terms of Business for further details).

12.6 Download copy of Production Database

Unit4 can export your Production Environment Database to a Unit4 controlled Azure storage location on a weekly basis as an additional service with extra recurring costs. The export will be in a format usable with the latest version of Microsoft SQL Server. The Customer can manually download this export from this location. Each export will be retained for four (4) weeks. Please note that this additional Service is not available for Unit4 People platform Services.

Customer responsibilities for this additional service offering include:

- Customer access responsibility – control who has permission to download the export.
- Ensuring data privacy during and after download.
- Establishing, monitoring and managing the download process.
- Restoring or importing the export once downloaded.
- Licensing, operating and installing in the Customer's IT infrastructure any applications that will be used in the retrieval process and subsequent use of the export.

13. Wanda, the digital assistant

Optionally, Unit4 ERP 7 Solution provides a digital assistant available as a contact through Microsoft Teams, Facebook Messenger, Skype and Slack to help the user with administrative tasks.

Wanda the digital assistant is managed and delivered as a cloud service supporting Unit4 SaaS and On premise installations.

Unit4 Identity Services (U4IDS) registered and configured in the cloud for the Customer by Unit4 Cloud is a mandatory prerequisite to provide user authentication against the digital assistant.

The current version of Unit4 Wanda Digital Assistant includes the following skills/functionality for Unit4 ERP 7:

- Absence Assistant
- Balances Assistant
- Expenses Assistant
- Payslip Assistant
- Purchasing Assistant
- Tasks Assistant
- Time Assistant
- Travel Request Assistant
- Company Policy Assistant

To enable the digital assistant Unit4 ERP 7 Milestone 6 Update 3 or later, plus the latest Experience packs must be installed. Which experience packs depends on the bots that are in use. For more information: <https://wanda-implementation-guide.u4pp.com/>

A functional setup of the Unit4 ERP 7 is required to support specific digital assistant skills. If needed, Unit4 Professional Services can provide support with the configuration.

14. Non-Production Environment with production specifications

As an additional Service against additional costs it is possible to opt for a Non-Production Environments (NPE), that holds the characteristics of an NPE as described in paragraph 4.2 with Production alike specifications.

15. MFL connector

The MFL connector is ensuring direct/secure connectivity between MFL service operated by third party GCON4 and Unit4 ERP 7 operated by Unit4.

This service MFL connector is offered against additional costs and is only available in the Unit4 ERP 7 SaaS dedicated delivery offering. Unit4 will provide connectivity between both products via VPN. The MFL environment is run/operated/managed by company GCon4 themselves and as such they are responsible for data integrity, performance, security and privacy of the data in MFL and the import of it in Unit4.

16. Archive Service

The Customer who has its Agreement ended can subscribe to the Unit4 ERP Archive SaaS service. It provides the ability to retrieve Customer's historical data. Read-only access is being granted through two (2) desktop users. Service Updates and Hot Fixes are going to be applied on a regular basis to safeguard a secure Service whereas Releases are not included. Next to that there's no SLA applicable, nor Support SLAs and/or KPIs.

In order to be able to consume the Archive Service Customer has to be updated to the latest Release and Update.

YES (available / supported):

- Running existing browser templates
- Creating new browser templates (at limited scale)

NOT (not available / not supported):

- Reports performing calculations (batch processes)
- Excelerator and additional tools
- Customisations
- Interfaces/Integrations
- SLA
- Support SLA or KPIs
- SSO /ADFS
- People Platform and Cloud Services

SCHEDULE A

Localisations by country

Customer ordered localisations will be made available to customers in the next available maintenance window.

Australia

Engine	SKU	Product name
AU-DE-FINPROC-SAAS	AU-ABA	Australian Domestic Payments (ABA format)
AU-HRPAY-SAAS	AU-AGRPRXAU	Australian tax & healthcare

Austria

Engine	SKU	Product name
AT-FINPROC	DE-AUSTRIANPAYMENTS	Austrian payments (EDIFACT and SEPA)

Belgium

Engine	SKU	Product name
BE-FINPROC-SAAS	BE-BNL-BE	Localisation Belgium - Finance & Procurement
	BE-BNL-FIC	Belgian Fiches
	BNL-BNR	Benelux Report templates
	BNC	Business Common

Denmark

Engine	SKU	Description
DK-FINPROC-SAAS	DK-45CB	MT940 & Statement Utilities
	DK-45NIN	National Insurance Number Validation

Finland

Engine	SKU	Description
FI-FINPROC-SAAS	SE-600008	SEPA payments for Finland
	SE-600099	Solution for Finnish reference codes in invoices

	SE-600117	Remittance advice
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France

Engine	SKU	Description
FR-FINPROC-SAAS	FR-FRP	Localisation France - Finance & Procurement

Germany

Engine	SKU	Description
DE-FINPROC-SAAS	DE-ACCOUNT	Account Form with Contra Account
	DE-POSTCODES	Adjustment of German Post Codes
	DE-ASSET	Asset Grid
	DE-BALANCE	Balance Sheets
	DE-EBIL	Electronic balance sheet interface [E-Bilanz]
	DE-UPDATE	DE Update
	DE-USTVA	German electronic tax return
	DE-BBR-Z4	External Economic Transactions (Z4)
	DE-SEPA	German Payments (SEPA)
	DE-LEGALREPORTS	Localized Legal Report
	DE-EXCHANGERATES	Import Exchange Rates
	BNC	Business Common

Ireland

Engine	SKU	Description
IR-FINPROC-SAAS	IR-BKRIE	Bank Statement Load (Irish formats)

Italy

Engine	SKU	Description
IT-FINPROC-SAAS	IT-FINPROC	Localisation Italy - Finance & Procurement

Luxembourg

Engine	SKU	Description
LU-FINPROC-SAAS	LU-BNL-LU	Localisation Luxembourg - Finance & Procurement
	BNL-BNR	Benelux Report templates

	BNC	Business Common
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Netherlands

Engine	SKU	Description
NL-FINPROC-SAAS	NL-BNL-NL	Localisation Dutch - Finance & Procurement
	BNL-BNR	Benelux Report templates
	NL-BBR-XML	Business Reporting (XML Auditfile)
	BNC	Business Common

Canada

Engine	SKU	Description
CA-FINPROC-SAAS	NA-NAF01	AP Remittance advice with email split
	NA-NAF02	AR Direct Debit Notices with Email Split
	NA-NAF03	Aged AR/AP - Consolidated report
	NA-NAF04	Currency exchange rate update
	NA-NAF05	Cheque Sort for AP/AR
	NA-NAF06	Manual cheques to cheque register
	NA-NAF13	Positive Pay Extract
	NA-NAF14	Quick checks
	CA-NAF15	CPA006 Compliant cheques
	NA-NAF17	Postal code screen mixed case
	CA-NAF18	Financials report of payments for Canada Revenue Agency (T4A GL)
	NA-NAF21	BAI2 Bank Statement Import
	NA-NAF22	EFTs - Electronic Funds Transfers: direct deposit and direct debit
CA-HRPAY - SAAS	NA-NAP05	NA Payslips
	NA-NAP06	New hires report
	NA-NAP08	Employer Number Validation
	NA-NAP09	Format Social Security Numbers/Social Insurance Numbers
	NA-NAP10	Record of Employment
	CA-NAP13	Workers Compensation Module (Worksafe BC interface)

	CA-NAP20	Canada Payroll tax engine
	CA-NAP21	Relevé 1 Report
	CA-NAP22	T4 Report
	CA-NAP23	T4A Report

USA

Engine	SKU	Description
US-FINPROC-SAAS	NA-NAF01	AP Remittance advice with email split
	NA-NAF02	AR Direct Debit Notices with Email Split
	NA-NAF03	Aged AR/AP - Consolidated report
	NA-NAF04	Currency exchange rate update
	NA-NAF05	Cheque Sort for AP/AR
	NA-NAF06	Manual cheques to cheque register
	NA-NAF13	Positive Pay Extract
	NA-NAF14	Quick checks
	NA-NAF17	Postal code screen mixed case
	US-NAF19	1099 Reports
	NA-NAF21	BAI2 Bank Statement Import
	NA-NAF22	EFTs (Electronic Funds Transfers: direct deposit and direct debit
US-HRPAY - SAAS	NA-NAP05	NA Payslips
	NA-NAP06	New hires report
	NA-NAP08	Employer Number Validation
	NA-NAP09	Format Social Security Numbers/Social Insurance Numbers
	US-NAP14	US Payroll tax engine interface
	US-NAP15	1094C 1095C (ACA) Report
	US-NAP16	941 Report
	US-NAP17	W2 Report
	US-NAP18	State Quarterly UI Wage Reports
	NA-NAP10	Record of Employment
	US-NAP12	Washington PERS Report

	US-NAP19	1099R Payroll Report
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Norway

Engine	SKU	Description
NO-FINPROC-SAAS	NO-FN06	Import of exchange rates
	NO-FN16	CU08 OCR Innlesing
	NO-FN17	Local government specific reports
	NO-FN18	Cash accounting
	NO-FN19	Central government reporting
	NO-FN21	Year End
	NO-FN23	Norwegian Direct Debit
	NO-FN24	Norwegian Telepay
	NO-FN26	Digital Tax Report
	NO-FN27	SEPA (ISO20022)
	NO-XN04	Invoice templates/layouts
	NO-XN07	NO Statutory reports
	NO-XN08	LoadSysData
	NO-XN14	Integration ALTINN portal
	NO-BBR-SAFT	Standard Audit File for Tax Norway (SAF-T)
	BNC	Business Common
NO-HRPAY - SAAS	NO-HN25	Year End
	NO-HN28	Payroll Statistics KS
	NO-HN29	Payroll Statistics MBL
	NO-HN30	Health & Safety
	NO-HN32	Absence Statistics
	NO-HN33	Absence Statistics Local Government
	NO-HN41	Pension reporting for Local Government and Health Sector (KLP)
	NO-HN42	Pension calculation and reporting for Association for seafarers (PTS)
	NO-HN45	Payroll Alerts
	NO-HN46	NO Payslips

	NO-HN49	Report of payment from the employee to various associations/unions.
	NO-HN50	Calculate settlement holiday pay to employees (PR29).
	NO-HN51	Report of payment from the employee to local governments Association of education (UTD).
	NO-HN53	Calculation of sick pay rate
	NO-HN54	Report of travel expenses to the employees.
	NO-HN59	Pension calculation and reporting for Central Government (SPK).
	NO-HN60	A-melding - Central Payroll reporting
	NO-HN63	Flexible Doc Archive
	NO-HN64	Norwegian Tax and social security contributions
	NO-HN65	PR24 Pay seniority calculation
	NO-HN66	Digital medical note
	NO-HN68	E-Tax card
	NO-XN09	HTML-filter
	NO-XN11	PDFform
	NO-XN13	Altinn Gateway

Portugal

Engine	SKU	Description
PT-FINPROC-SAAS	PT-FIN	PT-Localisation Financials
	PT-LOG	PT-Localisation Procurement
	PT-SAF	SAF-T Portugal data collector
	PT-U4Tools	SAF-T Portugal XML generator

Spain

Engine	SKU	Description
ES-FINPROC-SAAS	ES-SP-FIN	ES-localisation Financials (Fiscal Reports)
	ES-SP-SEP	ES-localisation Financials (SEPA)
	ES-SP-LOG	ES-localisation Procurement

	ES-BBR-SII	Business Reporting - Suministro Inmediato de Informacion (SII)
	BNC	Business Common

Sweden

Engine	SKU	Description
SE-FINPROC-SAAS	SE-L46ARC	Standard Swedish report templates
	SE-L46ARW-8	AP Payment report format bbfsb
	SE-L46ARW-9	AP Payment report format base
	SE-L46ARW-10	Payment report format pase
	SE-L46ARW-11	Payment report containing "bbse-arw" payments
	SE-L46ARW-12	Payment report format UTLI
	SE-L46ARW-13	Payment report correcting bank statement
	SE-L46ARW-14	Payment report format pbse
	SE-L46ARW -15	Payment report containing "Match-error" payments
	SE-L46ARW -16	Report compressed payment acknowledgement
	SE-L46ARW -17	Report compressed payment proposal
	SE-600013	Import of exchange rates
	SE-600045	Payment solution for Swedbank
	SE-600046	Payment solution for Swedbank
	SE-600049	Detailed trigger report
	SE-600071	Adjusted verification report
	SE-600072	Report – general ledger transactions (per dim)
	SE-600074	Report – Account rules
	SE-600075	Report – Value Matrix Content
	SE-600096	Sveorder
	SE-600097	Fixed assets – distribution of depreciation
	SE-600118	Additional controls of fields in AR/AP/SO
	SE-600135	Invoice Export Transformation
	SE-600136	Invoice Import Transformation
	SE-L46AG001	Import of Postal codes

	SE-L46AG002	Solution handling "counterpart"
	SE-L46AG003	Transactions file for Central Government
	SE-L46AG006	Agresso Installer
	SE-L46AP001	Handling of confidential invoices
	SE-L46AP003	SEPA/ISO20022xml
	SE-L46AR001	AR and Direct Debit payments
	SE-L46AT	Asset Management Reports
	SE-L46CB001	Bank statements processing
	SE-L46GL0301	Report - Balance and Income state for Government authorities (landscape)
	SE-L46GL0302	Report- Income statement for Government authorities (portrait)
	SE-L46GL0303	Report - Balance Sheet for Government authorities (portrait)
	SE-L46GL0701	Program handling certain tax deductions. Legal requirement for certain types of activities.
	SE-L46GL0901	Report - Trial balance sheet aggregation on two-digit level (Government authorities)
	SE-L46GL0902	Report - Trial balance sheet aggregation on three-digit level (Government authorities)
	SE-L46GL0903	report- Trial balance with IB (Government authorities)
	SE-L46TFI00401	Solution handling tax requirements for Facility Management
	SE-L46VP101	Solution controlling tax requirements in VP10
	SE-L46SU0701	Warning list credit notes
SE-HRPAY -SAAS	SE-L46HS0101	Extra control in Resource Master File
	SE-L46HS0103	Ending an employment
	SE-L46KI0101	Solution for salary payments through direct payment with Bankgirot in Sweden.
	SE-L46PR0101	Solution that calculates extra deductions in certain situations.
	SE-L46PR0102	Salary payment to banks
	SE-L46PR0106	Year-end script - is updated each year
	SE-L46PR0201	Extra information on P&D register
	SE-L46PR0202	Salary specification
	SE-L46PRS0401	XML File
	SE-L46PRS1501	Company report to Central Tax Authority (XML file of PRS15)
	SE-L46PRS2101	Statistics report for Private Sector

	SE-L46PS0901	Extra controls for absence
	SE-L46PS1401	Solution enabling correct absence deductions over weekends
	SE-L46TS2002	Recalculation of absence
	SE-AGRPR1SE	Employer report PAYE declaration package containing various employer PAYE reports: - SE-PRS01: Employer report /yearly - SE-PRS02: Employer report /yearly - annulment - SE-PRS10: Employer report to Central Tax Authority
	SE-AGRPR3SE	Employer report package containing various solutions for employer reporting: - SE-PRS04: Employer report to Central Tax Authority - SE-PRS05: Information request from Central Tax Authority (output) - SE-PRS6: Information request from Central Tax Authority (input) - SE-PRS15: Company report to Central Tax Authority
	SE-AGRPR4SE	Statistical reporting package containing various statistical reports: - SE-PRS21: Salary statistics (SCB, KLP) - SE-PRS24: Salary statistics SCB, KSP - SE-PRS25: Report salaries statistics (SLP) to SCB/SN - SE-PRS27: Conjecture Statistics, local and regional authority - SE-PRS31: Statistics Sickleave - SE-PRS32: Statistics Absence due to sickness - SE-PRS35: member report to confederation of Swedish Enterprise - SE-PRS45: November statistics, local and regional authorities - SE-PRS46: Short term employment Public sector - SE-PRS47: Short term statistics salaries, public sector - SE-PRS54: Statistics Related to salaries - SE-PRS55: Labour costs (LCS)
	SE-AGRPSSE	Personnel Management package containing various solutions for personnel management reporting: - SE-PRS07: Sick leave report - SE-PRS17: Journal overtime - SE-PRS20: Report showing Law on employment - SE-PRS26: Certificate of employment - SE-PRS36: Incentive wage allocation list - SE-PRS37: Contract payroll - SE-PRS51: Rehabilitation statistics - SE-PRS52: Absence statistics
	SE-Agrprse	Holiday package containing various solutions for holiday calculation and reporting: - SE-PRS09: holoday calculation - SE-PRS14: Holiday salary local authority - SE-PRS16: Semesterskuld Kollektiv (Holiday debt) - SE-PRS18: Semesterskuldlista (Holiday debt) - SE-PRS19: Holiday report Local authority - SE-PRS29: Semesterberäkning (Holiday calculation) - SE-PRS44: Holiday salary, private schools

	SE-AGRPR2SE	Pension Package that contains various solutions for Swedish pension reporting: - SE-PRS23: Salary statistics FORA - SE-PRS28: Pension report local authority - SE-PRS33: Reporting FORA - SE-PRS39: Pension report to Collectum - SE-PRS49: Pension Report
	SE-PRS100	PAYE return on individual level
	SE-SEMSK	Holiday debt report local authorities
	SE-TAXSE	Tax report Sweden

United Kingdom

Engine	SKU	Description
UK-FINPROC-SAAS	UK-ARM	AP/AR Automatic Allocation
	UK-BRI	Bank Statement Load
	UK-DDS	UK Direct Debits
	UK-CIS	Construction Industry Scheme (CIS)
	UK-HMRC	HMRC Message Centre
	UK-LDR	Legal debt recovery
	UK-LRE	Receipt printing
	UK-PSP	Periodic Supplier payments
	UK-VRN	VRN validation
	UK-BBR-VAT	Electronic VAT return filing to HMRC (UK Making Tax Digital)
	BNC	Business Common
UK-HRPAY-SAAS	UK-PAY	HR-Payroll localisation (including PAYE Message Processor)
	UK-HEAS	HESA - part of UK Payroll
	UK-HMRC	HMRC Message Centre
	UK-AUNER	Pension Auto-Enrolment
	UK-CPS-TP	Teachers' Pension reporting MDC
	UK-CPS-USS	Universities Superannuation Scheme (USS Pension Reporting)
	BNC	Business Common

SCHEDULE B

Unit4 ERP 7 Solution Add-on's available for SaaS Shared delivery model

The solutions listed below are validated and proven solutions to support certain business processes for a country (or multiple countries) in a SaaS shared environment. Customer ordered Add-on's will be made available to customers in the next available maintenance window.

SKU	Country	Product name
UK-DLOAD	ALL	Data Load
FPI	ALL	Project Invoicing
DK-EN53	DK	E-Invoicing via EHF standard
UK-AAM	UKI	UNIT4 Award Management plug in
UK-BSCV	UKI	Bank Account and Sort Code validation
UK-DB	UKI	Delegated Banking
UK-ADL	UKI	Address Look up
UK-QLS	UK	QLS to UBW Web Service
NO-FN13	NO	eGiro Incoming Payments (CREMUL)
NO-EN53	ALL	Incoming Electronic Invoices EHF
NO-EN54	ALL	Outgoing Electronic Invoices EHF
NO-EN57	NO	Outgoing Invoices B2C
NO-EN58	NO	DMK - Digital Multi Kanal
NO-EN85CG	NO	EHF Adapter Cap Gemini
NO-EN85E	NO	EHF Adapter Evry
NO-EN85ER	NO	VEFA REST Adapter EVRY (ISO20022 payments via Peppol)
NO-EN85I	NO	EHF Adapter Itella
NO-EN85N	NO	EHF Adapter Nets
NO-EN85P	NO	EHF Adapter Pagero
NO-EN85U	NO	EHF Adapter UNIT4
NO-EN86	NO	FilemoverService

NO-EN20	NO	eProcurement Integration
NO-HN57	NO	HR Reporting
NO-PN03	NO	Batch import of hours
NO-PN04	NO	Investment Module
NO-XN10	NO	Import of fixed payment transactions
DE-IDEA	DE	IDEA-Exporter (GDPdU)
NL-BBR-XML	BNL	XML Audit file Netherlands
NA-NAF16	NA	CheckScribe interface
NA-NAP01	NA	Mass Resource Reopening screen
NA-NAP02	NA	Multiple Pay Period Type Processing
NA-NAP04	NA	Report Order Resource List
SE-L46TT0201	SE	Travel Expense specification
SE-600004	NO/SE	Periodic incoming electronic invoices
SE-600009	SE	Handling e-invoices for private recipients - updating Accounts Receivable
SE-600027	SE	Integration HRM
SE-600023	SE	Field Force Integration
SE-600026	SE	HR employment
SE-600027	SE	Integration HRM
SE-600028	SE	E-Procurement Add-on Sweden ³
SE-600044	SE	Extended validation of timecodes on timesheet entry
SE-600052	SE	ReadSoft integration (on premise version)
SE-600056	SE	Register lunchtime in timesheet
SE-600060	SE	Reports for accountancy (SIE export/import)
SE-600069	SE	Integration solution for schedule and time
SE-600085	SE	Automatic handling of confidential e-invoices
SE-600089	SE	Special offers accounts receivable
SE-600092	SE	Doubtful debts

³ Only available via Nordic DC or SaaS Dedicated delivery model. Additional Customisations are required to add Customer specific integration capabilities

SE-600093	SE	Payment Files explorer
SE-600095	SE	MAP integration
SE-600119	SE	SFTI Punch Out with Single Sign on
SE-600125	SE	Integration Readsoft OnLine
SE-600132	SE	Transfer of assets between clients
SE-600133	SE	Internal electronic invoices
SE-600385	SE	Svekatalog ⁴
SE-L46SU0703	SE	Report handling payments from multiple clients
SE-L46AP004	SE	Accounting information on e-invoices
SE-L46AR002	SE	Debt-recovery
SE-L46CS0501	SE	Report - customer/supplier balance specification compressed (CU05 and SU05)
SE-L46EI0101	SE	Stylesheet for EI02
SE-L46HS0401	SE	Completes the process of transferring time to Payroll from Project
SE-L46PR0103	SE	Report specifying which positions a resource has had
SE-L46PR0104	SE	Analysis of salary
SE-L46PR0105	SE	Analysis of salary
SE-L46PS0101	SE	Clearing/deleting certain reports
SE-L46SU0703	SE	Report – handling payments from multiple clients
SE-L46SU1201	SE	Extended length of a filename
SE-L46TT0201	SE	Travel Expense specification
DK-45FN13	DK	Cremul
DK-45XLK	ALL	Extended links
FR-FM23	ALL	Interface exchange rates Minefi and Reuters

⁴ Only available via Nordic DC or SaaS Dedicated delivery model in combination with SE-60028

SCHEDULE C

Additional Unit4 ERP 7 Solution Add-on's available for SaaS Dedicated delivery model

On top of the Add-ons mentioned in SCHEDULE B Unit4 can deliver additional Add-ons, which can only be offered in Unit4 ERP 7 SaaS Dedicated (so not in Unit4 ERP 7 SaaS Shared offering possible).

The solutions listed below are validated and proven solutions to support certain business processes for a country (or countries). Customer ordered Add-on's will be made available to customers in the next available maintenance window.

SKU	Country	Product name
BNL-EBS	BEN – DE	Electronic Bank Statements
DE-RECURRING	DE	Recurring entries
IR-IE-HL	UKI	Housing and other loans
IR-IE-RA	UKI	Rates
IR-IE-MB	UKI	Meter Billing
IR-RM	UKI	Recurring Manager
IR-RESBILL	UKI	Residents Billing
UK-BIF	ALL	Batch Input Formatter (Excel plug-in)
UK-CIM-BS	UKI - NA	Cash and Income Manager - Base System ⁵
UK-CIM-RR	UKI - NA	Cash and Income Manager - Back Office Reallocations & Receipting
UK-CIM-ER	UKI - NA	Cash and Income Manager - eReturns
UK-CIM-WPC	UKI - NA	Cash and Income Manager - Web Back Office Payment Channel
UK-CIM-QP	UKI - NA	Cash and Income Manager - Quick Pay
UK-CIM-XP	UKI - NA	Cash and Income Manager - XPay
UK-CIM-BP	UKI - NA	Cash and Income Manager - BillPay
UK-CIM-BF	UKI - NA	Cash and Income Manager - Bankfiles Channel

⁵ Additional Customisations are required to add Customer specific integration capabilities

UK-CIM-DWP	UKI - NA	Cash and Income Manager - DWP XML Channel
UK-CIM-IVR	UKI - NA	Cash and Income Manager - IVR - Telephone Payment Channel
UK-CIM-ANO	UKI - NA	Cash and Income Manager - ANO - Payment Channel
UK-CIM-CPIN	UKI - NA	Cash and Income Manager - M+ Chip & Pin Software Interface
UK-EPROC	UK	E procurement - Punchout and E-Invoicing ⁶
UK-ERI	UKI	eRecruiter Interface
UK-ETL	ALL	ETL ⁷
UK-GIS	ALL	GIS copy attribute
UK-IFI-SR	UK	Integrated Financials Interface-Student Records
UK-NFI	UK	National fraud initiative

⁶ Additional Customisations are required to add Customer specific integration capabilities

⁷ Additional Customisations are required to add Customer specific integration capabilities

SCHEDULE D

Glossary and Technical Acronyms

Unless defined in the tables below, capitalised words and phrases have the meaning given to them in Unit4's General Terms of Business or Unit4 Support Terms (found on www.unit4.com/terms).

Account Administrator	an appropriate and qualified Business User who will have administrative level control for creation, maintenance and deletion of Accounts providing access to the Unit4 Product.
Archive Service	a Unit4 SaaS additional service that provides the Customer with the ability to retrieve its historical data.
Customisation Object	the product of any Customisation being any code change (for example AG16 or ACT) or other database object not created using the changing of standard Unit4 Product menus and functionality.
Localisation	a Unit4 Product developed for strategic territories and verticals that secures legal, statutory and market standard requirements in that territory or vertical.
Multi-Tenant	a single instance of Unit4 SaaS including its supporting infrastructure which serves multiple Customers.
Record	a data record stored within a Customer's database (for example a line in a timesheet).
Service Restore	the time it takes Unit4 to perform the restoration of a recent Production Environment back-up (at the request of the Customer).
Transaction	the creation or modification of a Record.

ACT	Advanced Customisation Tools (Unit4 ERP only)
ADFS	Active Directory Federation Services
AES	Advanced Encryption Standard
API	Application Program Interface (e.g. Web Services)
ARC	Agresso Reporting Tool (Unit4 ERP only)
ERP	Enterprise Resource Planning
FTP	File Transfer Protocol
HTML	Hyper Text Markup Language
HTTPS	Hypertext Transfer Protocol Secure
Kbps	Kilobits Per Second
NPE	Non-Production Environment
PCI DSS	Payment Card Industry – Data Security Standard
PE	Production Environment
SFTP	Secure File Transfer Protocol
SHA-2 RSA	Secure Hash Algorithm (number 2) and RSA encryption Algorithm

SLA	Service Level Agreement
SOC	Service Organization Controls
SQL	Structured Query Language
TLS	Transport Layer Security Encryption
URL	Uniform Resource Locator (a web address)
VPN	Virtual Private Network
WIP	Work In Progress
XML	Extensible Markup Language