

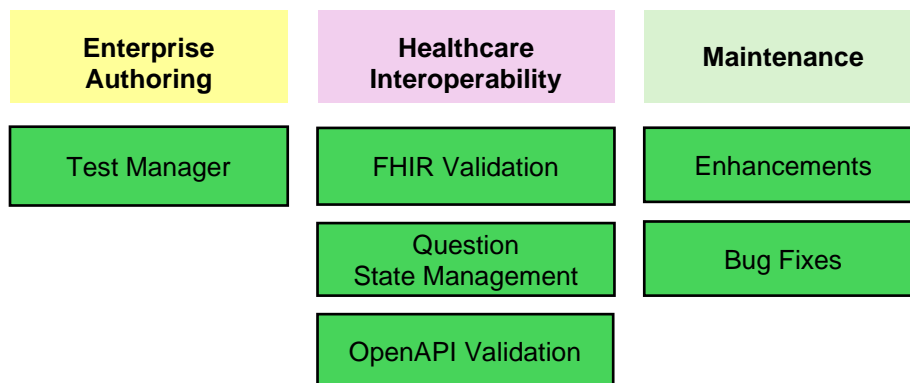
Release Notes: LogicNets Version 8.2

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1.0 Introduction

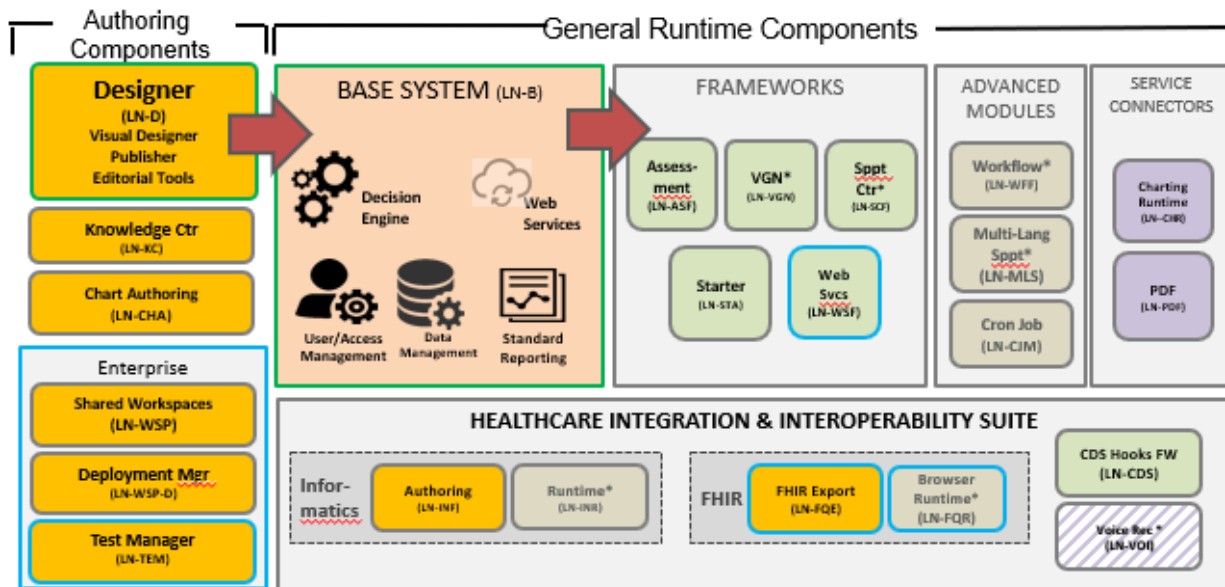
LogicNets is pleased to announce Release 8.2, which introduces functionality and features to streamline enterprise-level application authoring, testing, validation, and deployment as well as digital healthcare content integration and interoperability. This release also includes minor bug fixes for preexisting functionality, and the image below identifies the major areas of change for v8.2, which include the Enterprise Authoring Bundle. This bundle aggregates the LogicNets authoring functionality for supporting large-scale and complex authoring requirements.



For information about LogicNets changes related to the previous release of our system, see the release notes for that, which are available here: [v8.1 Release Notes](#).

2.0 LogicNets Software Components Overview

The diagram below shows the LogicNets platform components, and LogicNets implemented significant new features in v8.2 for the modules highlighted in blue.



3.0 New Functionality

This section highlights the new features and functionality included in v8.2. Note that some of the new or updated features may require you to acquire additional licenses or to make changes to existing applications. We have identified the associated components in each section, and you can read more about LogicNets' product licensing [here](#).

Warning: You can import projects you modeled with Release 8+ into older releases. However, LogicNets does not guarantee backward compatibility when these projects use new functionality.

3.1 Test Manager

Support Articles	Test Manager
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Release 8.2 includes the new LogicNets Test Manager (LN-TEM), which allows you to manage and automate repetitive or large-scale testing activities. The Test Manager is a standalone application that runs on a LogicNets server outside the LogicNets Designer environment. It allows you to create, run, and manage test suites as well as validate against common formats, such as FHIR and OpenAPI.

The Test Manager is integrated with the LogicNets Designer and the FHIR test harnesses of the LogicNets FHIR Questionnaire Export (FQE) and Runtime (FQR) components. You can simulate a variety of requests and responses and add them as new test cases.

Components: LN-TEM, LN-EAB

3.2 FHIR and OpenAPI Validation

Support Articles	Webservice Request/Response Validation FHIR Validation
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V8.2 includes new features for validating the syntax of FHIR and OpenAPI messaging, which allows you to ensure that systems frequently integrated with LogicNets receive valid LogicNets-generated requests.

3.2.1 FHIR Validation

The FHIR Validation feature is accessible as part of the LogicNets Test Manager or using an API. It validates the full range of concepts within the FHIR message, including standard FHIR, LogicNets-introduced FHIR elements, and any custom extensions and profiles.

Components: LN-TEM, LN-FQR

3.2.2 OpenAPI Validation

With Release 8.2, the LogicNets Web Service framework can validate the request and response bodies of inbound web service calls based on the OpenAPI specification, which provide a formal standard for describing HTTP APIs (<https://www.openapis.org/>). LogicNets integrated this feature into the Test Manager. It is also available through an API, and you can invoke it as a standalone function.

Components: LN-TEM, LN-FQR, LN-WSF

3.3 Question State Management

Support Articles	Question State
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LogicNets added this Designer and runtime feature to support clinical and other applications. It allows you to create questions that can be answered once and then displayed as read-only or skipped completely in future runs of the application. This is useful for applications where you ask a question once and it would not need to be answered again later, either in the same session or in future sessions; for example, FHIR applications that use data from an electronic medical record (EMR) system.

Components: LN-D, LN-B, LN-FQE, LN-FQR

4.0 Enhancements and Bug Fixes

4.1 Assessment Framework (LN-ASF)

Functional Area	Summary	Update/Bug Addressed	Issue #
AssessmentFW	Text-to-Speech Support	ASF default question templates get overwritten when calling APIs.	LN-20583
AssessmentFW	Text-to-Speech Support	When triggering an API call, validation does not trigger the update of tabs, top bar, and report.	LN-20637
AssessmentFW	8.2 General Improvements	Update CSS to support Firefox.	LN-19882
AssessmentFW	LogicNets Version 8.2	Update Text-to-Speech Support.	LN-20276

4.2 LogicNets Base System (LN-B)

Functional Area	Summary	Update/Bug Addressed	Issue #
Runtime	Implement external data retrieval	Whitelisted redirect/outbound URL no longer case sensitive.	LN-19753

Functional Area	Summary	Update/Bug Addressed	Issue #
Runtime	Starter application for shared state	Introduce refresh_vars (=vars of the last non-token request, e.g. page refresh).	LN-20181
Part	8.2 General Improvements	Evaluate and switch are using <i>basic_add_log</i> , but they should use <i>basic_update_log</i> .	LN-10873
Part	8.2 General Improvements	Change Item in a collection does not work with group name in group field.	LN-19112
System Configuration	8.2 General Improvements	Setting <i>_session.authentication.account_request_confirmation_to_email</i> is not configurable via system configuration.	LN-19892
Runtime	8.2 General Improvements	Avoid generating duplicate set-cookie headers.	LN-20163
Security	8.2 General Improvements	Invalid HTTP status (401 vs 403) when invalid bearer token is provided.	LN-20174
Runtime	8.2 General Improvements	False positive trace statement: "Validation error triggered in node".	LN-20262
Runtime	8.2 General Improvements	Get Statistics Part - add key count for complex collections.	LN-20481
Part	8.2 General Improvements	Numbered (type=number) checklist fails when multiple items are selected.	LN-20789
Runtime	8.2 General Improvements	Smartgrid Titles show inline HTML.	LN-20883
Security	Shared Workspace 1.1	Authorization fails using Microsoft EntraID access token since group information is missing.	LN-20302
Runtime	Milestone Version 1	High-performance logging API.	LN-19725

4.3 LogicNets Designer (LN-D)

Functional Area	Summary	Update/Bug Addressed	Issue #
Designer	8.2 General Improvements	Designer grids: Make header row float as user scrolls down to rows not shown on screen.	LN-17520
Designer	8.2 General Improvements	Designer Radio List Parts Editor - Options Table Add Icon Falls off Page.	LN-20486
Designer	8.2 General Improvements	Changelog: Add download functionality.	LN-20924
Designer	8.2 General Improvements	Drag/Drop rows in part editor causes highlighted text/confusion.	LN-19600
Designer	8.2 General Improvements	Validation Rule: <i>table_count</i> validation rule falsely triggers project validation error.	LN-19699
Designer	8.2 General Improvements	Adding LogicNets resource link does not work.	LN-19903
Designer	8.2 General Improvements	Debugger crashing when showing recursive datasets.	LN-20026
Designer	8.2 General Improvements	Project Validation False Positive: when called logicnet exists in framework.	LN-20327
Designer	8.2 General Improvements	Project Disabled: Conditions/Rule not showing.	LN-20411
Designer	8.2 General Improvements	Format Variable: Add default value text (e.g. "not answered") when data source is null.	LN-20483

Functional Area	Summary	Update/Bug Addressed	Issue #
Designer	8.2 General Improvements	Searching for a special character freezes the Designer.	LN-20592
Designer	8.2 General Improvements	dbgrid header overflow when scrolling. Requires CSS improvements.	LN-20642
Designer	8.2 General Improvements	Designer - Project Details view does not load when clicking on blue folder.	LN-20651
Designer	8.2 General Improvements	Designer log file is polluted with "cannot find part [part=Search,]".	LN-20669
Designer	8.2 General Improvements	Changelog: Show detailed logs when logicnet properties (name, title) are updated.	LN-20829

4.4 FHIR Questionnaire Export Module (LN-FQE)

Functional Area	Summary	Update/Bug Addressed	Issue #
Healthcare Integration and Interoperability	PRJ_2331 Project Delivery Services and support	FHIRQ Step-By-Step Translation ID missing for mcaptions icw set_calculator.	LN-20640
Healthcare Integration and Interoperability	Basic Object runtime (FHIR) and interfaces	Full FHIRQ Export: Export project structure and settings.	LN-19746
Healthcare Integration and Interoperability	Basic Object runtime (FHIR) and interfaces	Full FHIRQ Export: Use 'document' as type for URL references.	LN-19813
Healthcare Integration and Interoperability	Basic Object runtime (FHIR) and interfaces	Full FHIRQ Export: Generate extension with option tooltips.	LN-19822
Healthcare Integration and Interoperability	Basic Object runtime (FHIR) and interfaces	FHIRQuestionnaire: Pass the error and validation count.	LN-20722
Healthcare Integration and Interoperability	Full Object runtime (FHIR) and interfaces	FHIRQuestionnaireTestHarness: Add browser title configuration option.	LN-19923
Healthcare Integration and Interoperability	Full Object runtime (FHIR) and interfaces	Full FHIRQ Export: Clear answers and disable nodes in inactive pathways.	LN-20641
Healthcare Integration and Interoperability	Full Object runtime (FHIR) and interfaces	FHIRQ Full export: Fix missing links when call node is handled before all incoming links for that call node are handled.	LN-20770
Healthcare Integration and Interoperability	Integration phase 4	WSF: Support using WSF as library instead of framework.	LN-19810
Healthcare Integration and Interoperability	Integration phase 4	Full FHIRQ Export: Published package version does not take over project settings.	LN-20029
Healthcare Integration and Interoperability	Integration phase 4	Full FHIRQ Export: Validation rule custom (always) not processed correctly.	LN-20123
Healthcare Integration and Interoperability	Milestone Version 1	Guideline Updates	LN-19726
Healthcare Integration and Interoperability	LogicNets Version 8.2	FHIR and OpenAPI Validation	LN-20315

4.5 FHIR Questionnaire Runtime Module (LN-FQR)

Functional Area	Summary	Update/Bug Addressed	Issue #
Healthcare Integration and Interoperability		FhirQuestionnaire does not work on Ubuntu	LN-20799
Healthcare Integration and Interoperability	Search	Full FHIRQ Export: Client-side Search functionality.	LN-19741
Healthcare Integration and Interoperability	Basic Object runtime (FHIR) and interfaces	FhirQuestionnaireTestHarness/FhirQuestionnaireStepByStepTestHarness: Fix showing browser title correctly.	LN-19770
Healthcare Integration and Interoperability	Full Object runtime (FHIR) and interfaces	Full FHIRQ Export: Fix losing answer Option extensions.	LN-19769
Healthcare Integration and Interoperability	Board demonstrator hardening	Full FHIRQ Export: Use the display value for a QuestionnaireItemSubofExtension to find the correct question options to which to map the sub-items.	LN-20139
Healthcare Integration and Interoperability	FHIR Questionnaire Support 1.1	FHIRQ: Datetime inputs leads to infinite loops.	LN-19893
Healthcare Integration and Interoperability	FHIR Questionnaire Support 1.1	FHIR Questionnaire: Calendar input button / Max Year not working or "hide calendar" not working.	LN-20033
Healthcare Integration and Interoperability	FHIR Questionnaire Support 1.1	Refactor FhirQSbSTestHarness to use the FHIRQuestionnaire package iso having a duplicate implementation.	LN-20142
Healthcare Integration and Interoperability	FHIR Questionnaire Support 1.1	Max Digits Extension is not enforced in the FHIRQuestionnaire test client.	LN-20263
Healthcare Integration and Interoperability	FHIR Questionnaire Support 1.1	Dateinput FHIR does not turn red when a validation error is triggered.	LN-20485
Healthcare Integration and Interoperability	LogicNets Version 8.2	FHIRQ: Support sections and multiple UCUM and grouping.	LN-19492
Healthcare Integration and Interoperability	LogicNets Version 8.2	FHIR Question State Management.	LN-19574

4.6 LogicNets Multi-Language Support (LN-MLS)

Functional Area	Summary	Update/Bug Addressed	Issue #
Multi-Language Support	PRJ_2331 Project Delivery Services and Support	Translation keys not deleting.	LN-20670
Multi-Language Support	8.2 General Improvements	Multilanguage autocomplete breaks with '(' in the text.	LN-17255
Multi-Language Support	8.2 General Improvements	Downloading translation report escapes HTML.	LN-19881
Multi-Language Support	8.2 General Improvements	Translation key not appearing.	LN-20032
Multi-Language Support	8.2 General Improvements	MLS Pane: Export does not take over filled in file name.	LN-20185

Functional Area	Summary	Update/Bug Addressed	Issue #
Multi-Language Support	8.2 General Improvements	MLS: Changelog does not register changes made using ML plugin.	LN-20330
Multi-Language Support	8.2 General Improvements	Translations download does not handle CR LF in html/comment nodes.	LN-20584
Multi-Language Support	8.2 General Improvements	MLS: Deleting translation keys deletes captions too, and not keys in output code/logicnet header.	LN-20586

4.7 LogicNets Test Manager (LN-TEM)

Functional Area	Summary	Update/Bug Addressed	Issue #
Test Manager	Test Manager	Test Manager: Move case to DELETE caused all projects to move to other folder.	LN-20768
Test Manager	Test Manager	Test Suite Run Details: Filter not working.	LN-20896
Test Manager	Test Manager	Test Manager: UI issues with large number of test cases.	LN-20882
Test Manager	LogicNets Version 8.2	Test Manager	LN-18705

4.8 LogicNets Web Services Framework (LN-WSF)

Functional Area	Summary	Update/Bug Addressed	Issue #
Web Service	PRJ_2331 Project Delivery Services and Support	WSF: Added system logging with application details when API call is handled.	LN-20725
Web Service	8.2 General Improvements	WSF Performance Improvement: Cache endpoints.	LN-20019
Web Service	8.2 General Improvements	WSF: Clear data between multiple requests of a single WSF session.	LN-20177

4.9 LogicNets Shared Workspaces (LN-WSP)

Functional Area	Summary	Update/Bug Addressed	Issue #
Shared Workspaces	Shared Workspace 1.1	Revision Control: Race condition/wrong Designer state can lead to writable projects that are not checked out locally.	LN-20417
Shared Workspaces	Shared Workspace 1.1	Reverted version controlled project is published as wrong version.	LN-20424
Shared Workspaces	Shared Workspace 1.1	Shared workspace functionality in the designer does not work when the guest user is enabled but not authorized.	LN-20482

4.10 LogicNets Deployment Manager (LN-WSP-D)

Functional Area	Summary	Update/Bug Addressed	Issue #
Shared Workspaces	Shared Workspace 1.1	Incorrect configuration revision.	LN-19314
Shared Workspaces	Shared Workspace 1.1	Deployment Configuration: Package names should be unique.	LN-19327
Shared Workspaces	Shared Workspace 1.1	Unable to download deployment image.	LN-19328
Shared Workspaces	Shared Workspace 1.1	Deployment Manager: UI alignment.	LN-19330
Shared Workspaces	Shared Workspace 1.1	Deployment Manager Configuration: When the "Clone" or "Modify" button is clicked,	LN-19333

Functional Area	Summary	Update/Bug Addressed	Issue #
		the previously displayed popup flickers for a second.	
Shared Workspaces	Shared Workspace 1.1	Deployment Manager Configuration: Dropdown menus missing in first row in modify configuration popup.	LN-19549
Shared Workspaces	Shared Workspace 1.1	Deployment Manager Configuration: Delete button in the first row causing an issue.	LN-19550
Shared Workspaces	Shared Workspace 1.1	Deployment Manager: Cannot add projects in folders to a deployment configuration.	LN-20122
Shared Workspaces	Shared Workspace 1.1	Avoid many role assignments before the Deployment Manager can be used.	LN-20419
Shared Workspaces	Shared Workspace 1.1	Deployment Manager: Cannot connect to server.	LN-20423
Shared Workspaces	Shared Workspace 1.1	Deployment Manager: Support editing packages in configuration.	LN-20441
Shared Workspaces	Shared Workspace 1.1	Deployment Manager: Issues with renaming projects.	LN-20591
Shared Workspaces	Shared Workspace 1.1	Deployment Manager: Download image is not working.	LN-20656
Shared Workspaces	Shared Workspace 1.1	Deployment Manager Improvements	LN-20658