FLY 1.5 Test Strategy and Project Plan

WIP

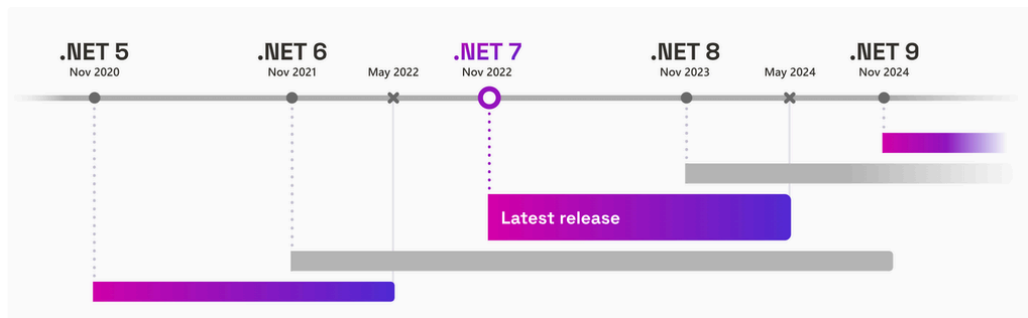|	
Background	Dev will be taking a SyncFusion update to 20.3.0.56 and will implement .NET 8, EFCore as per [.NET and .NET Core official support policy], and there will be some fixes to GMM.
Objectives	Test major functionality of: • Global Menu Management Retest/regress due to impact: • POS • Webapps (Wizard, SysAdmin, Reporting) • GMM Some bug fixes will be included.
Additional QA Goals	Start QA engagement of POS React (so we'll need to assess some tools/frameworks). Various API work (GMM, License Server, Mission Control). Performance Goals/Metrics.
Release Date	Q2 2024 (estimated: April 2024)
Definition of Done	☐ Development tasks for the release are complete ☐ Tickets marked for 1.5 are resolved and verified ☐ Acceptance criteria defined for the release are met ☐ Automated tests have been completed and passed (Automation in good shape) ☐ POS Manual Regression Done + Important Bugs Fixed ☐ POS Performance Goals Decided Upon and Met ☐ Manual tests have been completed and passed ☐ Identified bugs have been resolved and verified by QA ☐ Compliance requirements have been met ☐ Additional Areas of Regression Identified and Tested
In scope	Paper Menus (Turn ON Nutritia because Paper Menus is integrated with Paper Menus)
Not in scope	Tray Management (Tray Alerts, Tray Dashboard, Tray Workflow) Self-Service Nutritia (Profiles) POS React (Web Ordering) OWS Tray Manager Mission Control Globalization
Status	IN PROGRESS

WHEN

FLY 1.5 Scope:

Current Timeframe: Development to complete February 2024; Release optimistically February 2024 but more realistically March 2024

WHO

Split team into GMM + the rest

WHAT

.NET 8, EFCore as per [🔷 .NET and .NET Core official support policy] : (confirmed 10/25)

.NET 7 will end mid-Q2 2024

.NET 6 will be ending late 2024

Current FLY 1.5 Tickets: https://mcrtech.atlassian.net/issues/?filter=30899

THEMES

Backend/Core

- EFCore, .NET 8
- SyncFusion 20.3.0.56: [✅ FLY-5727: Research: Syncfusion and NewtonSoft.Json Upgrade Plan `CLOSED`] (Syncfusion, NewtonSoft)
  - pretty much all pages use the SyncFusion control. All pages with grid and popup windows, dropdowns, navigation.
- IAM: non-IAM login option going away – this will impact Automated Tests: [✅ FLY-7444: Update QA Automation to run successfully with IAM `CLOSED`]
- third party licenses
- linux services for containers
- Azure app (Anthony)
- Kestrel .NET core ??
- **Admin** tool including transactional outbox (maybe, most likely) (invite process, emails) (Christian A)
- DevExpress 23.1.6 upgrade (= printing) impacts Printing

logging (nlog files rotatation, cleanup for AsyncTask/AsyncTaskLog tables)

database especially around GMM

- SqlUtils refactor for .NET 6; sqlcmd2 + .NET6
- vulnerabilities

HL7

- model for client object
- some enhancements
- timestamps & SysAdmin

Scheduler

- model for client object

Wizard: ~15 non-GMM bugs

Areas of Impact:

POS

Wizard/WebApps

Printing

Reporting (CSV, Excel, PDF Report File .... missing truncate message, including Report Generation with SyncFusion)

Diet Snacks were completed by Chenoa/3PillarGlobal Team in early December.

Additionally:

We will be pulling in content from three patch releases:

1.4 Patch 1 (ref: 📄 FLY 1.4 Patch Planning): Nutrient Restrictions

1.4 Patch 2 (ref: 📄 FLY 1.4 Patch 2 Planning): POS API Compression to speed up POS

1.4 Patch 3 (ref: 📄 1.4 Patch 3 Planning): Cache Corruption

NOT IN 1.6:

Web Ordering will be developed but won't be released in 1.5 (currently 1.6)

See also: 📄 1.6 Web Ordering Test Strategy

Exploratory testing (SyncFusion, .NET 8/EFCore)

Objective	To flesh out the stability and any initial issues regarding two major upgrades: 1) SyncFusion 2) EF Core and .NET 8.
Start Date	Nov 30, 2023
Due Date	Feb 14, 2024
Scope	☐ Ad hoc testing in POS and Wizard.
Status	COMPLETE

Main Testing Phase

Objective	Full regression of GMM, Wizard, and POS due to impact.
Start Date	Feb 26, 2024
Due Date	Apr 30, 2024 (9 weeks)
Assumed staff for regression	4 engineers from 3Pillar including Mitesh and Krishna, part-time from Chris, Kim

Scope	☐ Re-run all regression for GMM
	☐ Have 3 Pillar execute GMM Automation
	☐ Execute full regression for POS
	☐ Execute full regression for Wizard
	☐ Investigate running all automated tests in 1 day
Status	**IN PROGRESS**

Test Execution	Estimate
🔗 QAE-10070: FLY 1.5 Manual Wizard - Provider Tests DONE	*141h*
🔗 QAE-10065: FLY 1.5 GMM APIs DONE	4h
🔗 QAE-10064: FLY 1.5 Reseeding DB DONE	4h
🔗 QAE-10063: FLY 1.5 Performance - Publish/Install Changesets DONE	7h
🔗 QAE-10062: FLY 1.5 Provider UI DONE	13h
🔗 QAE-10061: FLY 1.5 Partially Managed Subscriber UI DONE	21h
🔗 QAE-10060: FLY 1.5 Changeset Installation Process DONE	*24h*
🔗 QAE-10059: FLY 1.5 Edit Lock - Partially Managed Subscriber UI DONE	17h
🔗 QAE-10058: FLY 1.5 Changeset Create & Apply Objects DONE	216h
🔗 QAE-9963: Test Execution: Some Wizard Tests to be run on locally-managed instance (MCRClinic, mash) DONE	30h
🔗 QAE-10074: FLY 1.5 Manual Wizard - Partially Managed Tests DONE	*228h*
🔗 QAE-9977: FLY 1.5 Wizard Regression (locally managed) DONE	217h (? Customer Center, 39)
🔗 QAE-10072: FLY 1.5 SysAdmin Regression DONE	73h
🔗 QAE-10073: FLY 1.5 Reporting Regression DONE	121h
🔗 QAE-9974: FLY 1.5 POS Regression DONE	684h

Assignments and Progress:

2/26/2024 - 🔗 QAE-9977: FLY 1.5 Wizard Regression (locally managed) DONE

2/27/2024 - added 🔗 QAE-10072: FLY 1.5 SysAdmin Regression DONE , Resolved defects

Environments:

MCR Clinic to update to 1.5 (2/26, 2/27)

Wakefield: currently (as of 1/26) has master – exploratory testing (Exploratory testing on SyncFusion and .NET 8 Branches)

Mash: 1.4 *until absolutely needed (until 1.5 is stable)*

Ashecliffe, MCROverlord, MCRSpring, Echo Lake: manually managed by Ann Marie + Clarissa

Ashecliffe + MCROverlord: stay on 1.4

MCRSpring, Echo Lake: will go to 1.5

As soon as main goes on Wakefield: give Chenoa Echo Lake (+MCRSpring)

Team Member	Primary Area	Other time
Ann Marie	GMM including Automation	?? potentially _____
Clarissa	GMM including Automation	?? potentially _____
Kim	Self-Service, Tray Tracker, Other	
Mike M		
Chris	Other, management, Web Ordering, Automation	
3Pillar	Exploratory Testing Regression	

Exit Criteria

All new bugs triaged, prioritized; bugs marked for fix to be fixed and resolved

All bugs in resolved status verified and closed