

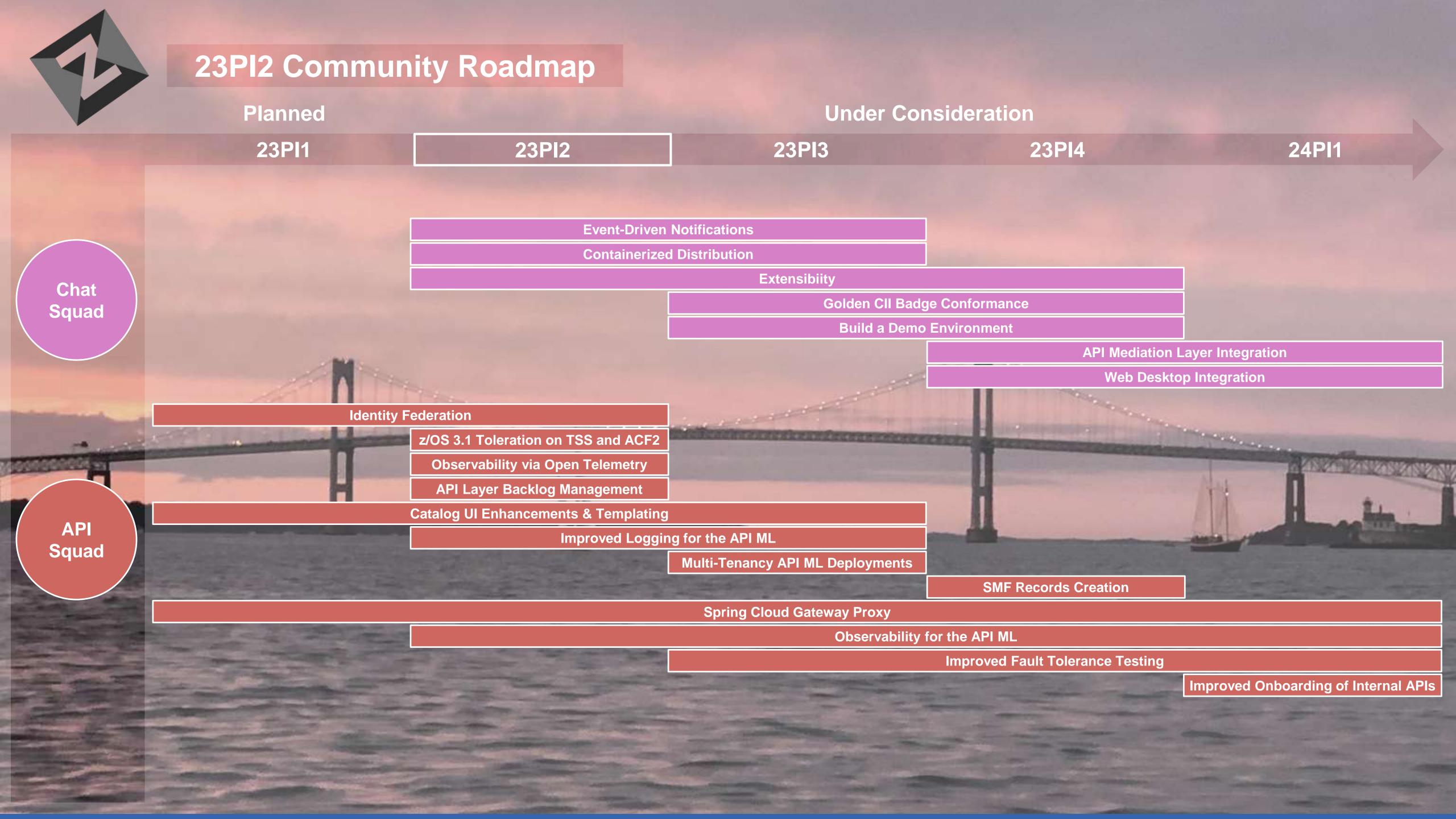
# Zowe Community Roadmap

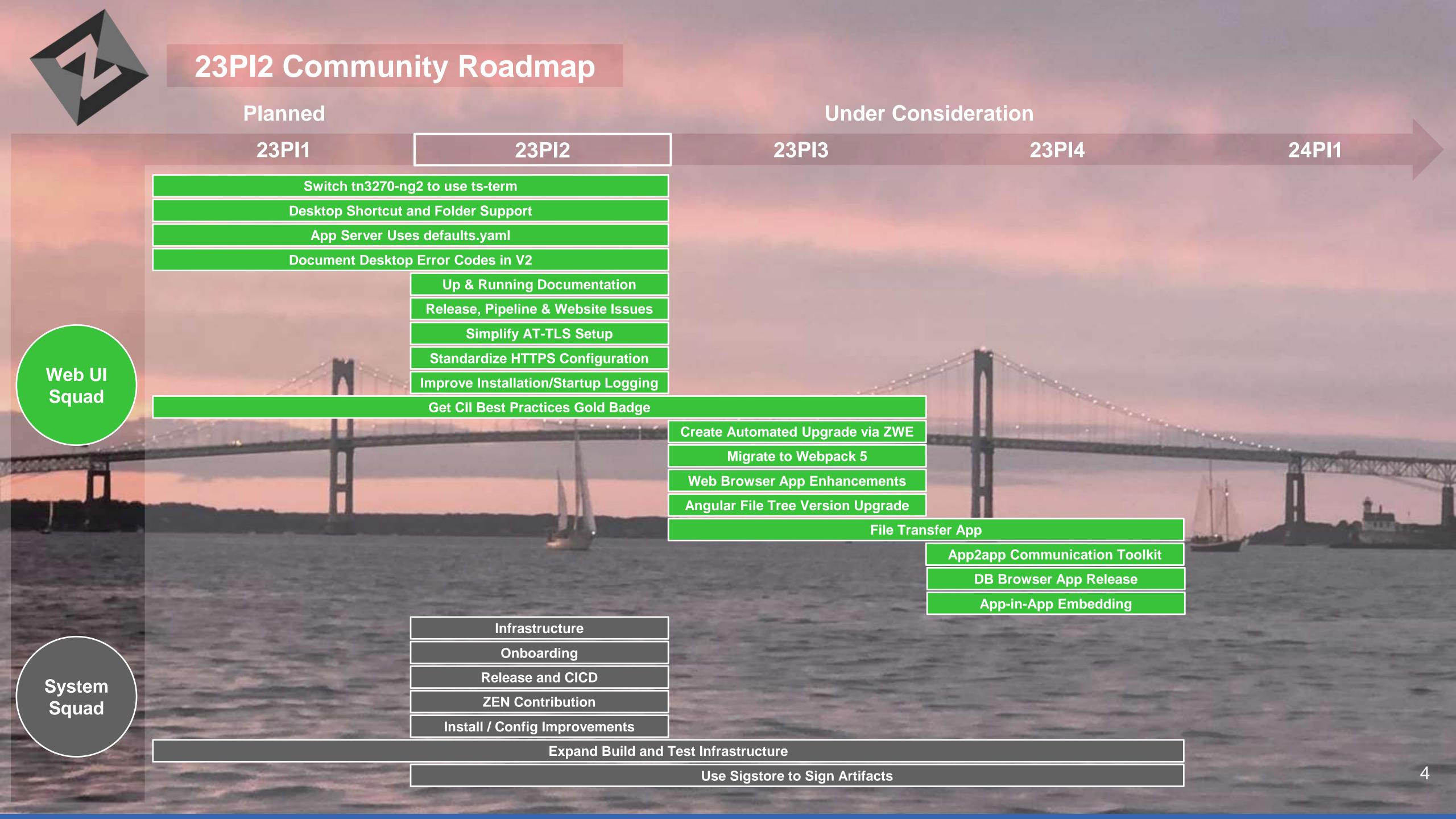
23PI2





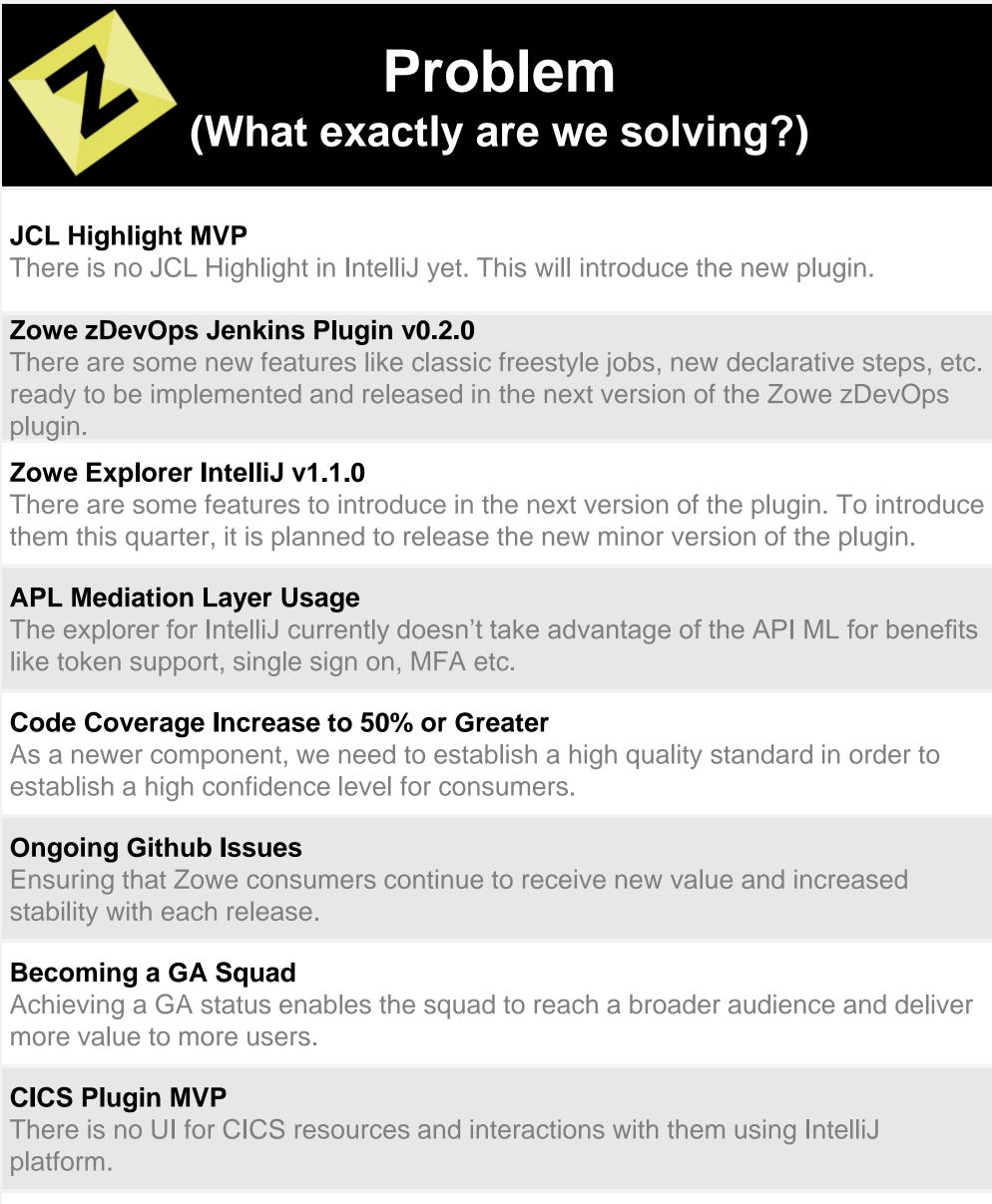
23PI2 Community Roadmap **Planned Under Consideration 24PI1** 23PI1 23PI2 23PI3 23PI4 **Complex z/OS Jobs and Files** V3 Pre-release **Miscellaneous Backlog Items Golden CII Badge** CLI **Squad Keytar Replacement Keytar Replacement Zowe CLI on Unix System Services (USS) SDK Conformance and LTS Status Zowe Client Mentorship Opportunity: Enhancing the Python SDK Golden CII Badge Priority Backlog & Technical Debt Explorer V3 Pre-release Early Availability Squad Improve Error Handling Add More Functionality to Jobs Tree View JCL Highlight MVP** Zowe zDevOps Jenkins Plugin v0.2.0 **Zowe Explorer IntelliJ v1.1.0 API Mediation Layer Usage** Code Coverage Increase to 50% + IntelliJ Ongoing GitHub Issues Squad **Becoming a GA Squad CICS Plugin MVP** Jenkins IntelliJ UI Plugin MVP **COBOL Plugin MVP** 





Problem	Solution (How are we solving the problem?)	CL			_I Squad				
(What exactly are we solving?)		22Q4	23Q1	23Q2	23Q3	23Q4	24Q1	24Q2	
Complex z/OS Jobs and z/OS Files commands Customers are looking for CLI commands that perform more complex (jobs & files) tasks to reduce scripting and make interactive CLI commands more efficient	Introduce several new CLI commands capable of performing multiple tasks in a single command.	22Q4	23Q1	23Q2	23Q3	23Q4	24Q1	24Q1	
V3 Pre-Release Zowe V3 is right around the corner, planned for early in CY24. In order to ensure a smooth delivery without delays, each squad needs to prepare with some pre-release activities.	Squad will create the vNext branch in the Zowe CLI repository, migrate the Imperative package to the monorepo and remove the deprecated V1 profile functionality.	22Q4	23Q1	23Q2				24Q1	
Miscellaneous Backlog Items Ensuring that Zowe consumers continue to receive new value and increased stability with each release.	Squad will deliver select prioritized features and bug fixes as well as up-voted community requests, as allowed by capacity for the releases within the quarter.			23Q2				24Q1	
Golden CII Badge The Zowe Project has not earned the Golden CII Badge / a requirement from LF/OMP that ensures the Open Source project satisfies FLOSS Best Practices criteria	Review requirements and take necessary actions to satisfy them for the gold badge level.	22Q4	23Q1	23Q2	23Q3	23Q4		24Q1	
Keytar Replacement  Mainframe customers demand trustworthy storage of secure values in Zowe CLI. With the sunset of the Atom organization who supplied the Keytar package, we would require an alternative for secure credential storage.	Release a suitable replacement to the Keytar package with minimal impact to our end users.	22Q4	23Q1	23Q2	23Q3	23Q4		24Q1	
Zowe CLI on Unix System Services (USS)  Mainframe customers like to experiment with Zowe w/o requiring desktop software (i.e. SYSPROGS want to run CLI commands on z/OS) as part of their experimentation or enterprise use with Zowe CLI	Certify and document how to use of Zowe CLI on z/OS (USS). Requires Daemon testing (USS executable) / zLinux daemon works. Would require in-memory (or other?) credential management.		23Q1	23Q2	23Q3	23Q4	24Q1	24Q1	
SDK Conformance and LTS Status  Mainframe developers are interested in extending the existing SDKs in order to create applications for their services.	New Services (like CICS SDK) New Programming languages (like Ruby SDK)			23Q2	23Q3	23Q4	24Q1	24Q1	
Zowe Client Mentorship Opportunity: Enhancing the Python SDK Consumers of the Python SDK are requesting enhancements, including support for Zowe V2 team configuration files	Leverage the mentorship program to deliver select enhancements to the existing SDK			23Q2	23Q3	23Q4	24Q1	24Q1	
								24Q1	

Problem	Problem Solution		Exp	olor	er	Sq	uac	
(What exactly are we solving?)		22Q4	23Q1	23Q2	23Q3	23Q4	24Q1	24Q2
Golden CII Badge The Zowe Project has not earned the Golden CII Badge / a requirement from LF/OMP that ensures the Open Source project satisfies FLOSS (Free/Libre & & Open Source Software) Best Practices criteria	Review requirements and take necessary actions to satisfy them for the gold badge level.	22Q4	23Q1	23Q2	23Q3	23Q4	24Q1	24Q1
Priority Backlog and Technical Debt Ensuring that Zowe consumers continue to receive new value and increased stability with each release.	Squad will deliver select prioritized features, bug fixes as technical debt items as allowed by capacity for the releases within the quarter.			23Q2				24Q1
V3 Pre-Release Early Availability Extenders will need to be aware of breaking changes in the upcoming major release of 3.0.0.	Publish a pre-release of v3 with documentation of breaking changes so Extenders will be able to begin their adoption early.		23Q1	23Q2	23Q3	23Q4		24Q1
Improve Error Handling Users would like error messages returned to be relevant to the error encountered and describe the issue clearly.	Make sure all errors are being handled appropriately and make sure the error message returned is helpful and understandable to the user.		23Q1	23Q2	23Q3	23Q4	24Q1	24Q1
Add More Functionality to Jobs Tree View Users would like a comparable experience working with JES files, Zowe Explorer doesn't have a lot of functionality in that tree compared to others.	Add more functionality to jobs in the tree, ie. local sorting, filtering, and more.				23Q3	23Q4	24Q1	24Q1
								24Q1
								24Q1
								24Q1
								24Q1
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**Jenkins IntelliJ UI Plugin MVP** 

specific functions.

**COBOL Plugin MVP** 

There is no proper UI to work with Jenkins through the IntelliJ with mainframe-

There is no COBOL Highlight in IntelliJ yet. This will introduce a new plugin.

## **JCL Highlight MVP Zowe zDevOps Jenkins Plugin v0.2.0** There are some new features like classic freestyle jobs, new declarative steps, etc.

#### **Problem** (What exactly are we solving?) There is no JCL Highlight in IntelliJ yet. This will introduce the new plugin.

#### Solution (How are we solving the problem?)

Implement and release v0.2.0 for the Zowe zDevOps plugin.

Implement and release v1.1.0 for the Zowe Explorer IntelliJ plugin.

API ML, implement a tree view of datasets, USS files and JES jobs.

allowed by capacity for the releases within the quarter.

Implement an MVP of the Jenkins IntelliJ UI plugin

Set up the environment to work with API ML, implement a connection through the

Establish automated testing that achieves greater than 50% code coverage for the

Squad will deliver select prioritized features, bug fixes as technical debt items as

Onboard a contributor from a different company and prepare the evidence of

Implement an MVP of the plugin

existing code base.

readiness for the GA state.

Implement an MVP of the CICS plugin

Implement an MVP of the COBOL plugin

IntelliJ Squad

22Q4 | 23Q1

22Q4 **23Q1** 

23Q

23Q2

23Q2

23Q2

23Q2

22Q4 23Q1 **23Q2** 23Q3 23Q4 24Q1 24Q1

22Q4 23Q1 **23Q2** 23Q3 23Q4 24Q1 24Q1

23Q2 23Q3

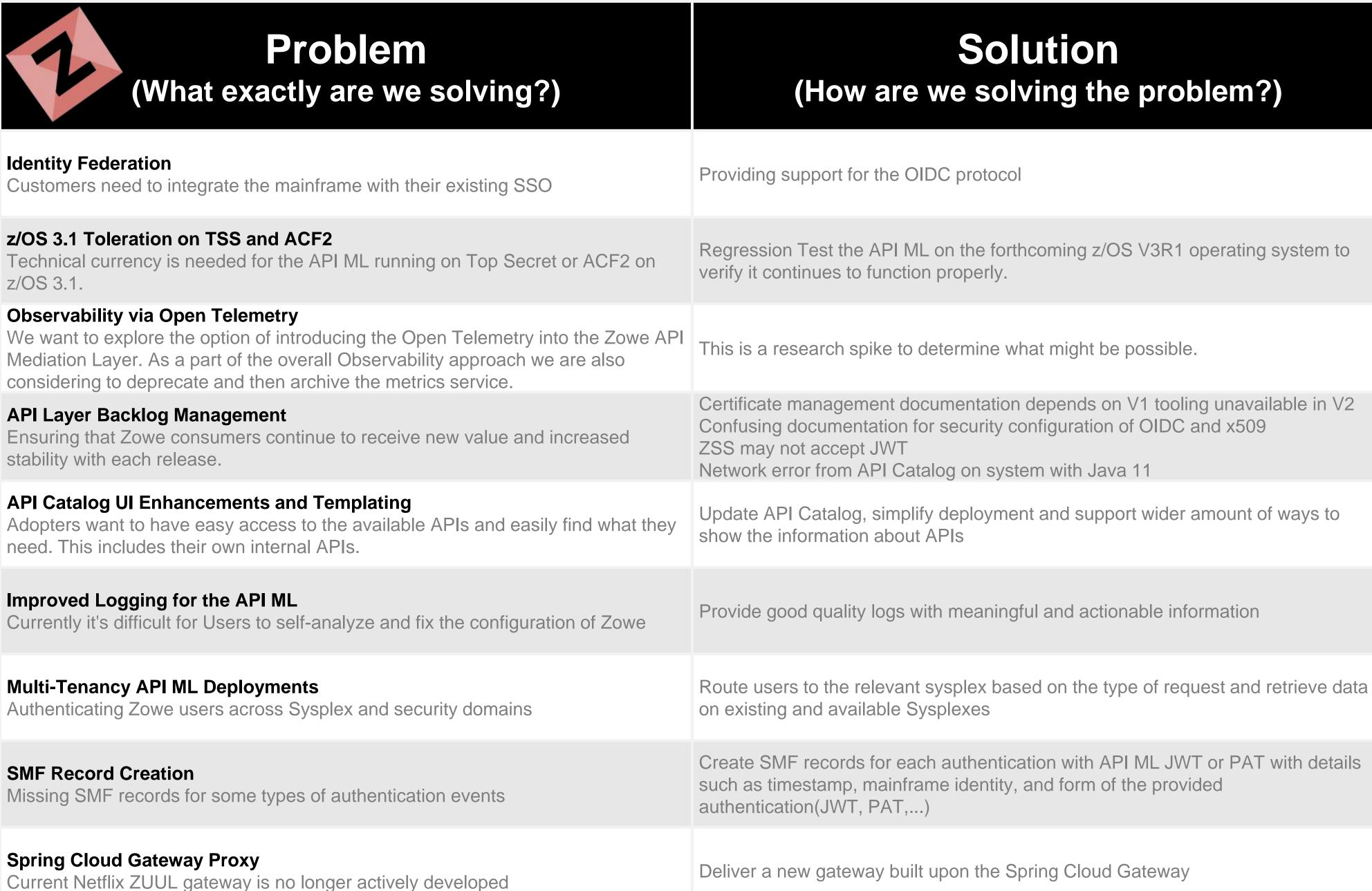
23Q1

22Q4 23Q1 23Q2 23Q3

22Q4 | 23Q1 | 23Q2 | 23Q3 | 23Q4

23Q1 23Q2

Problem	Solution		C	hat	S	qua	Q4 240 Q4 240
(What exactly are we solving?)	(How are we solving the problem?)	22Q4	23Q1	23Q2	23Q3	23Q4	240
Event-driven Notifications Chat use case will need to be event-driven and therefore triggered by event notification.	Building server-side capability for receiving push events and a common model for describing them.	22Q4	23Q1	23Q2	23Q3	23Q4	240
Containerized Distribution (x86, x390x)  Zowe Chat may not need to run on bare metal MF once APIML authorization is complete. Containers can make install easier and more flexible in this case.	Building a containerized deployment, following Zowe's existing model w/ Kustomize.			23Q2	23Q3		
Extensibility Chat use cases will require extensibility to enable the use of customer commands and services.	Create a Zowe Chat Extension Guide, Sample Extension, and a Conformance Program			23Q2	23Q3	23Q4	
Golden CII Badge Conformance Certifying release quality for Zowe Chat by adhering to best practices.	Investigating and implementing Golden CII badge requirements			23Q2	23Q3	23Q4	
Build a Demo Environment We would like to target the OMP's existing Slack user base for feedback on Zowe Chat.	Create a "production-like" deployment of Zowe Chat which runs in OMP Slack, and is backed by open infrastructure. Preferably OMP.			23Q2	23Q3	23Q4	
Zowe APIML Integration Chat cannot leverage any of the benefits of Zowe API ML.	Building an APIML Authn / Authz option and making Zowe chat a conformant APIML Web Service.				23Q3	23Q4	240
Zowe Web Desktop Integration Zowe Desktop users want the flexibility to use Zowe Chat from the desktop.	Make Zowe Chat a conformant App Framework plugin, or build a thin conformant plugin for Chat.				23Q3	23Q4	240



The customers need to integrate the mainframe APIs into their wider observability

**Observability for the API ML** 

effort

### Solution (How are we solving the problem?)

Implementing the integration of the API ML traffic data with popular solutions such

as Splunk or ELK stack

**API ML Squad** 

22Q4 23Q1 23Q2 23Q3 23Q4 24Q1 24Q2

23Q2

23Q2

23Q2

23Q2

22Q4 | 23Q1 | 23Q2 | **23Q3** 

22Q4 23Q1 23Q2

23Q2

23Q3 | 23Q4 | 24Q1

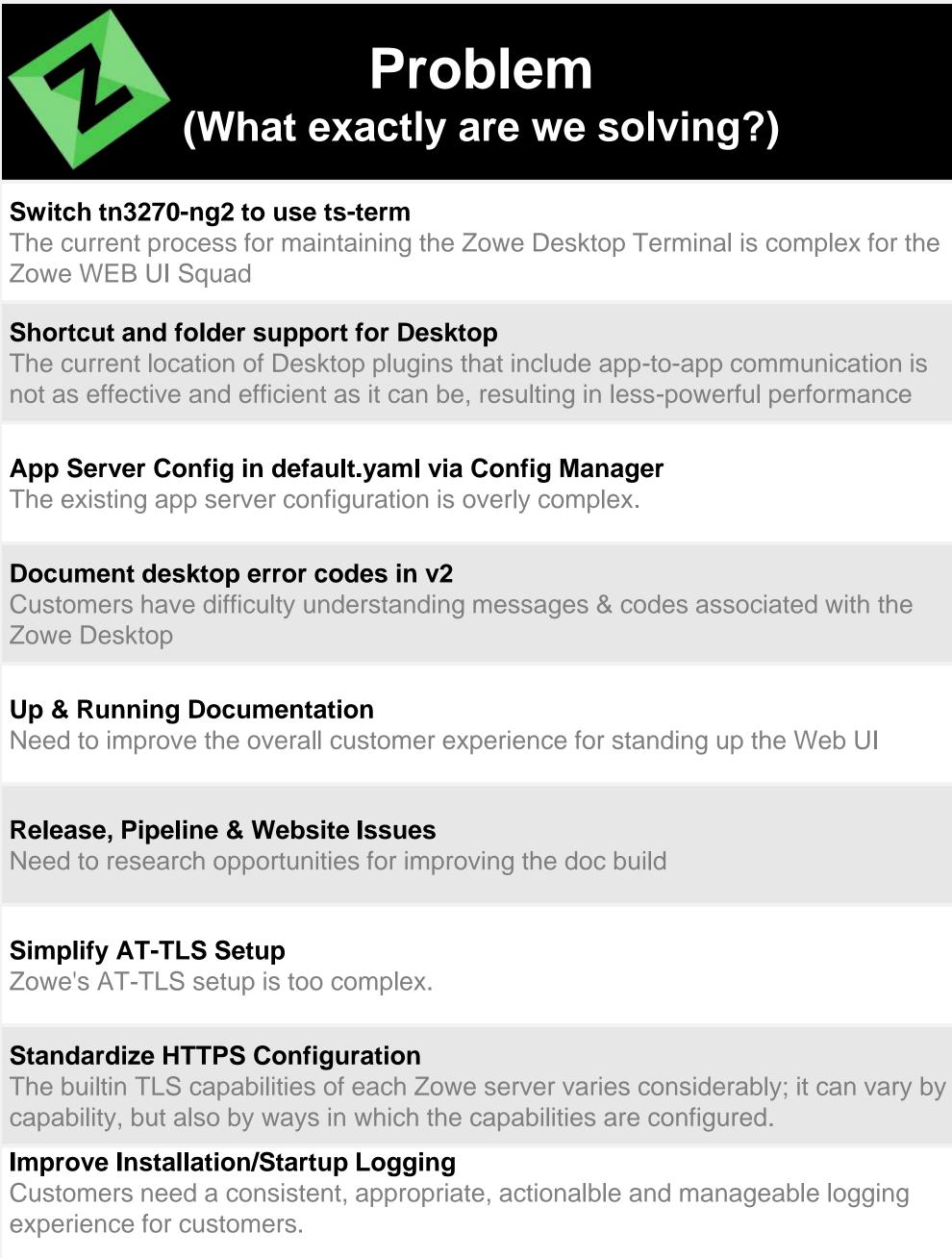
23Q3 | 23Q4 | 24Q<sup>2</sup>

22Q4 23Q1 **23Q2** 

22Q4 | 23Q1 | 23Q2 |

22Q4 23Q1

Problem Solution			AP	l M	ML Squad			
(What exactly are we solving?)		22Q4	23Q1	23Q2	23Q3	23Q4	24Q1	24Q2
Improve Fault Tolerance Testing The problems related to fault tolerance are found in the user's systems.	Improve the test suite to contain more tests on how Zowe behaves in different fault scenarios and then fixing the issues.	22Q4			23Q3	23Q4	24Q1	24Q1
Improve Onboarding of Internal APIs The users need to be able to easily onboard their own custom internal infrastructure APIs	Update wizard in the API Catalog, Add more functionality for the administrator about onboarded services.				23Q3	23Q4	24Q1	24Q1
								24Q1
								24Q1
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								24Q1
								24Q1
								24Q1
								<b>1:0</b> :Q1



**Get CII Best Practices Gold Badge** 

Certifying release quality for Zowe Web UI by adhering to best practices.

#### **Problem** (What exactly are we solving?) Switch tn3270-ng2 to use ts-term The current process for maintaining the Zowe Desktop Terminal is complex for the

#### Solution (How are we solving the problem?)

Modify the existing libraries / dependencies (i.e. switch tn3270-ng2 to use ts-term"

Migrate the app server configuration to the less complex, Zowe standardized yaml

Documenting the Zowe Desktop INFO, WARN and ERROR codes in the Zowe V2

Continue to prioritize and address pain points in the Up & Running experience

Continuing research on reduction of memory consumption like updating/refactoring

Docasaurus, or changing to a different platform, etc. Includes engineering capacity

Standardize the HTTPS configuration settings including the overrides for various

warning and errors to make it easier for users to locate the messages they need

Create the appropriate log volume and content for informational messages,

Complete the backlog of requirements for Golden CII badge.

Have all servers be able to turn AT-TLS on/off with a single, standardized

Modify (if appropriate), package and deliver the hackathon code that creates

folders and groups together applicable Desktop plugins and shortcuts

configuration which leverages the Zowe configmgr

where documentation improvements can be impactful.

to resolve issues where a quick resolution is indicated.

configuration section within zowe.yaml

Zowe components in the yaml.

and take appropriate actions.

documentation

Web UI Squad

22Q4 23Q1 23Q2 23Q3 23Q4 24Q1 24Q2

22Q4 23Q1 23Q2

23Q1 | 23Q2

23Q1 23Q2

23Q1 23Q2

23Q2

23Q2

23Q2

23Q2

23Q1 | 23Q2 | 23Q3

22Q4 23Q1 **23Q2** 

Problem	Solution (How are we solving the problem?)		We	Veb UI Squad				
(What exactly are we solving?)		22Q4	23Q1	23Q2	23Q3	23Q4	24Q1	24Q2
Create Automated Upgrade via ZWE Upgrading Zowe can be confusing and frustrating.	Create an easier way for customers to understand what actions are needed when upgrading from one Zowe release to another.	22Q4	23Q1	23Q2	23Q3	23Q4	24Q1	24Q1
Migration to Webpack 5 Audits reveal that some packages we use are limited in upgrade capacity by webpack 4. Migrating to webpack 5 will help us with both security and maintenance.	Completed migration to webpack 5.				23Q3			24Q1
Web browser app enhancements  Desktop users who access non-native websites must rekey the URLs each time.	Introduce a capability to save websites as if they were Zowe Apps				23Q3			24Q1
Angular File Tree major version upgrade Dependent Software limitations associated with back-leveled version	Upgrade "Angular File Tree" to the next major version				23Q3			24Q1
File Transfer App Need to Support secure file and dataset transfer between z/OS and your computer without requiring FTP.	Deliver an application that supports secure file transfer between z/OS and your PC.				23Q3	23Q4	24Q1	24Q1
App-2-App Communication Toolkit Zowe desktop app users don't have an easy way to see and understand the individual "app2app" capabilities that are available to them.	Specific solution is still "to be determined".				23Q3	23Q4	24Q1	24Q1
DB Browser app release Zowe consumers are interested in database tooling for the Zowe desktop and the planned DB Browser App is not ready for validation	Deliver capabilities in support of MVP and introduce a technical preview for the DB Browser App					23Q4	24Q1	24Q1
App-in-App Embedding Currently no way to embed one app within another in the same view.	One app can be positioned inside of a portion of another app's viewport, without including an extra window in the process.					23Q4	24Q1	24Q1
						23Q4	24Q1	24Q1
								1 <u>2</u> Q1

