Creating and Sharing Packages
DESIGN BRIEF

Design Problem

The current distribution document allows for package creation via a non-linear workflow, which makes it easy for users to miss key steps (like dependency calculation). In addition, no feedback is given on required information prior to building the distribution, at which point the build fails with errors.

Design Vision

Provide a simplified sharing workflow which clearly informs users of required steps and fields. Use existing information (such as user account) to reduce the number of required fields. Let experienced users access a non-linear experience.

Deliverables

Wireframe design specification

Stakeholders

Product Owner

Engineering Manager

Tech Lead

Interaction Design Leads

Michelle Turcotte

Visual Designer

User Goals

Create shareable packaged content

The user has created an application, library, or other content type they would like to share/deploy. To do this, they will package all the necessary files, dependencies, and information (both package- and file-level) together.

Distribute and reuse packaged content

Once a package is created, the user may need to create an installer, or add the package to a feed.

Users may also want to save the package configuration for reuse.

Design Tenets

Progressive Disclosure

Promote good decision-making and reduce cognitive load through staged or progressive disclosure in the primary workflow.

Promote Confidence

Encourage exploration and convey status, requirements, errors, and output behavior with visual cues and common interaction patterns.

Enable "Scrappiness"

Provide access to a non-linear workflow from one or more starting points for users familiar with package creation.

Design Considerations

Primary Consideration

Short-term changes may involve simply updating the existing distribution document.
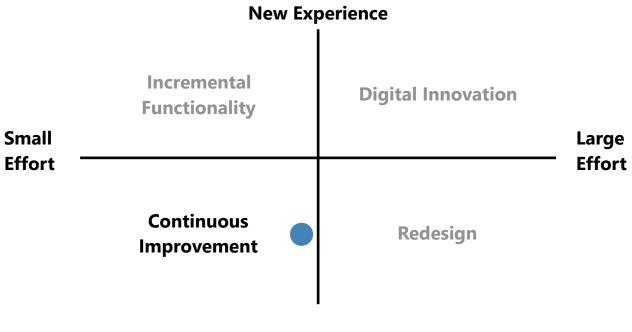
Secondary Consideration

In the future, external plugins may add output types beyond packages (e.g. ZIP folders).

Tertiary Consideration

Concepts presented should not need to be relearned to be successful in NI Package Builder.

Design Estimation

New Experience

Incremental Functionality

Digital Innovation

Small Effort

Large Effort

Continuous Improvement

Redesign

Existing Experience