## **1) Installed the Port GitHub App and connected it to Port**

**Actions**

* Opened the Port GitHub App page, selected the correct organization, and granted access to the target repositories (not “all repos” by default unless intended).
* Ensured required permissions included Actions: Read and write.
* In Girhub, went to **Settings → Github App**, confirmed the installation, and confirmed repository sync.
* In port went to datasources to confirm repository sync

**Verification**

* Repositories appeared in Port (Entities/Data Sources).
* From GitHub, **Settings → Applications → Installed GitHub Apps** showed “Port” with the selected repos.

## **2) Created a Jira project with the correct template**

**Actions**

* In Jira: **Projects → Create project → Software development → Scrum → Company-managed**.
* Ensured project is company-managed

**Verification**

* Project sidebar contained company-managed settings (Workflows, Screens, Fields).
* System fields and schemes matched company-managed defaults.

## **3) Created Jira Components that map to GitHub repositories**

**Actions**

* In the new Jira project: **Project settings → Components → Create component**.
* Created components named to match at least two GitHub repositories (e.g., cribx-backend, handyman).

**Verification**

* Components list showed at least two components matching the repo names.
* Issues could be assigned a component corresponding to a repo.

## **4) Deployed the Jira integration in Port with a scheduled sync**

**Actions**

1. In Port, went to **Data Sources → Add Data Source → Jira**.
2. Choose **Scheduled** as the sync mode.
3. Selected **GitHub Workflow** as the deployment method.
4. Generated Jira-scoped tokens (with the correct permissions) from Atlassian.
5. In GitHub, created repository secrets for:  
   * PORT\_CLIENT\_ID
   * PORT\_CLIENT\_SECRET
   * atlassianUserEmail
   * atlassianUserToken
6. Copied the YAML template provided by Port, updated it with the Jira host and secrets, and created a new workflow file:  
    .github/workflows/jira-integration.yaml.

**Verification**

* Manually ran the workflow with workflow\_dispatch to confirm it executed successfully.
* Observed a successful run in the **Actions** tab on GitHub.
* Verified in Port that Jira entities (projects, issues, components) appeared after sync.
* Confirmed that the scheduled cron job (0 \*/1 \* \* \*) automatically re-runs the integration every hour.

## **5) Established and validated the “Jira Issue → Repository” relation**

**Actions**

* In Port blueprints, ensured a relation from **Jira Issue** to **Repository** exists.
* Configured the relation logic to use the Jira **Component** to select the corresponding GitHub repository (name match).
* Created or updated a few Jira issues, each assigned to different components.

**Verification**

* In Port, Jira Issue entities displayed a populated **Repository** relation.
* Relation worked across multiple components (at least two repos), not just a single example.