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Argo CD v2.6 Release Candidate

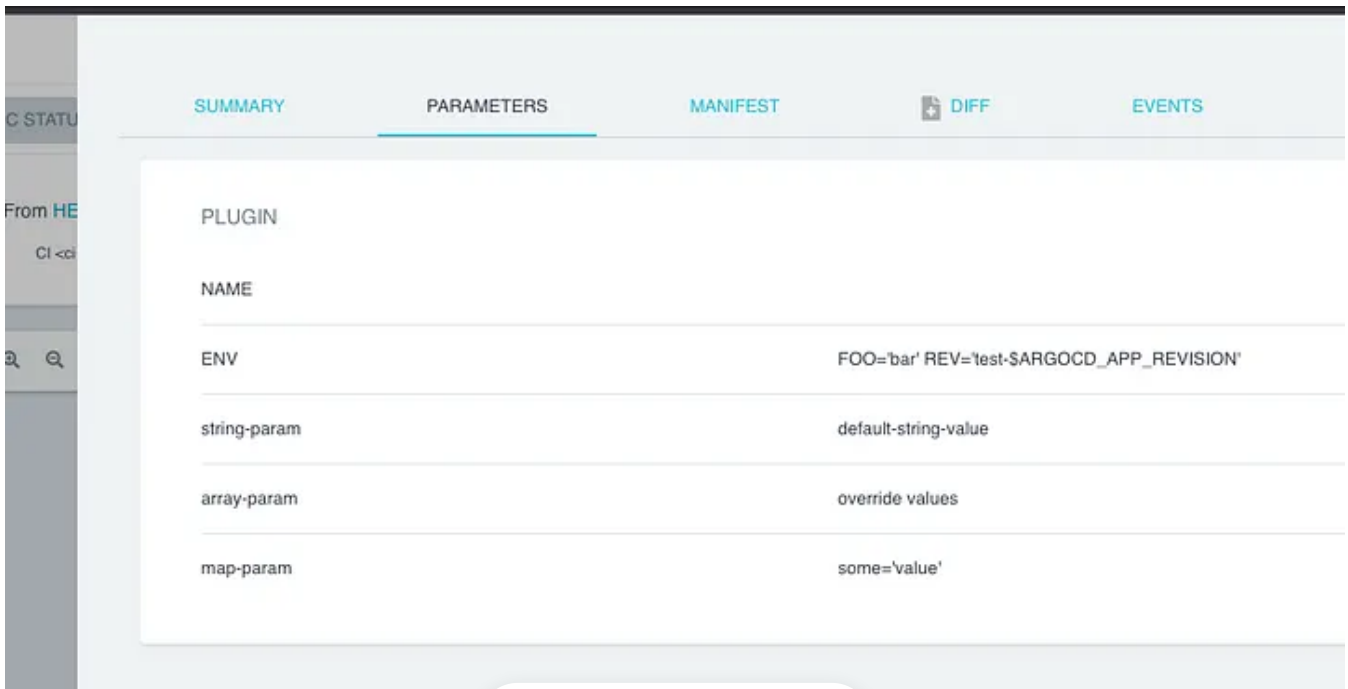
That's right. Argo CD v2.6 Release Candidate is out. You will find many awesome Argo CD features and improvements in this release. These are results of more than 83 contributors worked hard on building new features, fixing bugs, and improving Argo CD usability. Of course, the new release cannot be a success without you trying it. We are excited to announce the first v2.6 release candidate. We cannot wait to hear your feedback. Please let us know what you think about the changes, and let us know if you find any bugs.

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Parameterized Config Management Plugins

Config Management Plugin (CMP) parameterization defines a way for plugins to “announce” and then consume acceptable parameters for an Application.

Announcing parameters allows CMPs to provide an user experience similar to native config management tools (Helm, Kustomize, etc.). Previously, the only way for users to parameterize manifest generation is using environment variables.



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Thanks [Michael Crenshaw](#) and [Zach Aller](#) from Intuit for their contributing to this feature.

Ability to Add Metadata for Namespaces created with syncOptions CreateNamespace=true

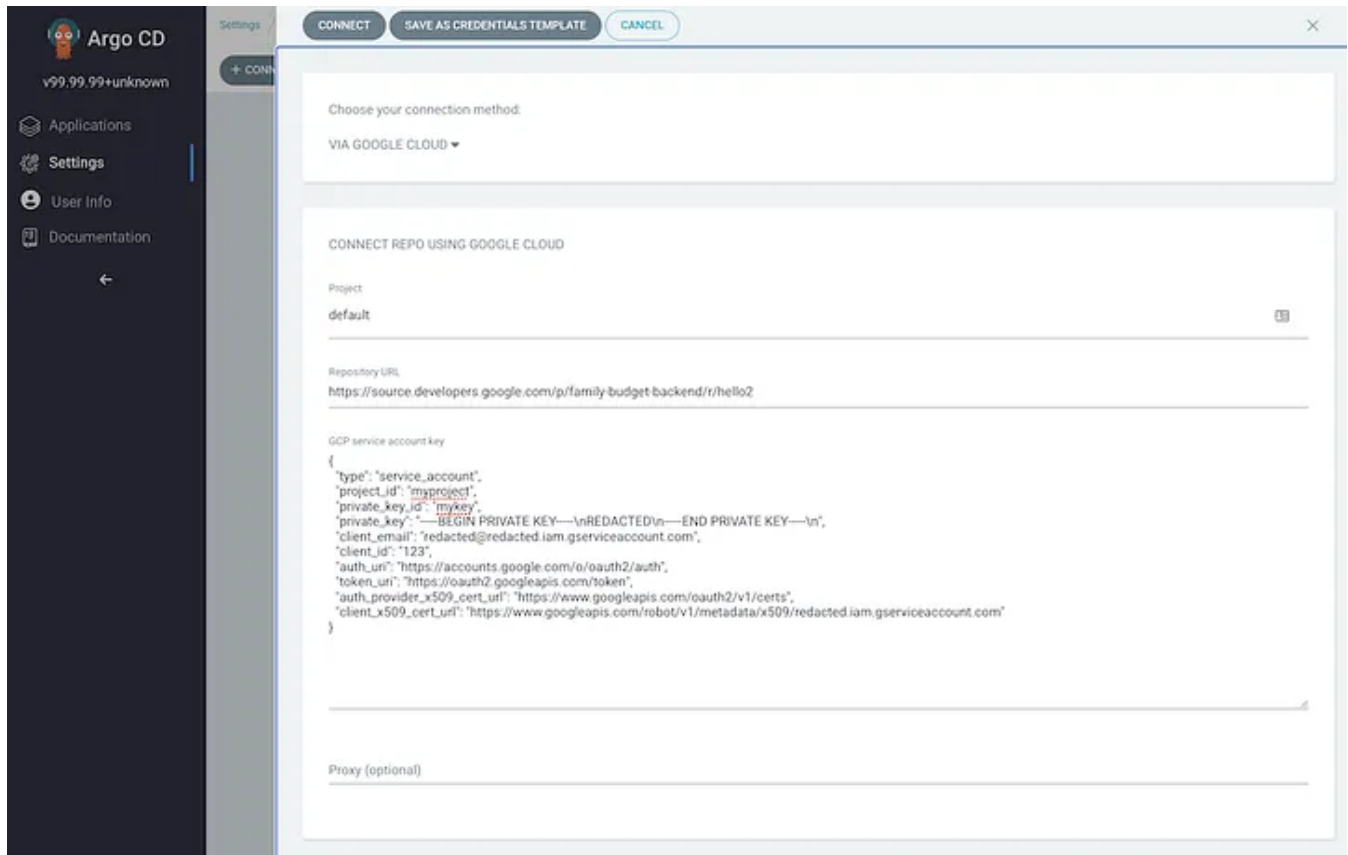
You can now add labels and annotations to the namespace through `managedNamespaceMetadata` in Application manifest. This feature enables custom labels to be created automatically when namespaces are created by Argo CD. The following manifest is an example to use this feature.

```
apiVersion: argoproj.io/v1alpha1
kind: Application
metadata:
  namespace: test
spec:
  syncPolicy:
    managedNamespaceMetadata:
      labels: # The labels to set on the application namespace
        any: label
        you: like
      annotations: # The annotations to set on the application namespace
        the: same
        applies: for
        annotations: on-the-namespace
  syncOptions:
    - CreateNamespace=true
```

Thanks [Blake Pettersson](#) from Krobier for contributing to this feature.

Support for Google Cloud Source Repositories

Argo CD now supports connecting to repositories hosted on [Google Cloud Source](#). It opens up possibilities for applications that rely on Google Cloud Source. It is a highly anticipated feature.



Thanks [Alex Eftimie](#) from GetYourGuide for contributing to this feature.

Multiple Sources for Applications

[Multiple sources for an application](#) is offered as a beta feature. The UI and CLI still generally behave as if only the first source is specified. Full UI/CLI support will be added in a future release. This feature is subject to change in ways that might be backwards incompatible, until marked stable.

Argo CD now has the ability to specify multiple sources for a single Application. Argo CD compiles all the sources and reconciles the combined resources. A use case of this feature is syncing Helm chart applications which typically have separate sources for Helm charts and value-files. When any of these sources are updated, the Argo CD application is refreshed.

See the below example for specifying multiple sources. You can provide multiple sources using the `sources` field. When you specify the `sources` field, Argo CD will ignore the `source` (singular) field.

```
apiVersion: argoproj.io/v1alpha1
kind: Application
metadata:
  name: guestbook
  namespace: argocd
spec:
  project: default
  destination:
    server: https://kubernetes.default.svc
    namespace: default
  sources:
    - chart: elasticsearch
      repoURL: https://helm.elastic.co
      targetRevision: 7.6.0
    - repoURL: https://github.com/argoproj/argocd-example-apps.git
      path: guestbook
      targetRevision: HEAD
```

Thanks [Ishita Sequeira](#) from Red Hat for contributing to this feature.

Progressive Rollouts for ApplicationSet Resources

This is an experimental, alpha-quality feature. It may be removed in future releases or modified in backwards-incompatible ways.

With [Progressive Rollouts](#), it is now possible to control the order in which the ApplicationSet controller will create or update the Applications owned by an ApplicationSet resource.

As an experimental feature, Progressive Rollouts must be explicitly enabled, in one of these ways.

1. Pass `--enable-progressive-rollouts` to the ApplicationSet controller args.
2. Set `ARGOCD_APPLICATIONSET_ENABLE_PROGRESSIVE_ROLLOUTS=true` in the ApplicationSet controller environment variables.

3. Set `applicationsetcontroller.enable.progressive.rollouts: true` in the ArgoCD ConfigMap.

To use Progressive Rollouts, set the `strategy` field to *RollingSync* in ApplicationSet manifest. This strategy allows you to group Applications by labels present on the generated Application resources. When the ApplicationSet changes, the changes will be applied to each group of Application resources sequentially.

```
---
apiVersion: argoproj.io/v1alpha1
kind: ApplicationSet
metadata:
  name: guestbook
spec:
  generators:
  - list:
    ...
  strategy:
    type: RollingSync
    rollingSync:
    ...
```

Thanks [wmgroot](#) for contributing to this feature.

Other Notable Changes

Overall, the v2.6 release includes This release includes 183 contributions from 84 contributors (53 of them new) with 36 features and 15 bug fixes. Here is a short sample of the contributions:

- CMPv2 support for explicit `plugin.name` (by [Sujeily Fonseca](#) from IBM). This new feature allows CMPv2 to be backward compatible with CMPv1.
- Display auto sync status in application details view (by [Alex Eftimie](#) from GetYourGuide)
- Add wildcard support in OCI Helm Repositories `targetRevision` (by [Alex Eftimie](#) from GetYourGuide)
- Add support for proxy extensions ([#11307](#)) (by [Leonardo Almeida](#) from Intuit)

- Add new admin command to print Argo CD initial password (by Abhishek Veeramalla from Red Hat)
- Allow Matrix generator to have two Git child generators without conflict (#10522) (#10523) (by Matthew Bennett)

Where Can I Get the New Release?

For more details and installation instructions, check the [release notes](#), and upgrade [instructions](#). Please try the release candidate and share your feedback. A big thanks to all Argo Community contributors and users for their contributions, feedback, and help in testing the release!

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