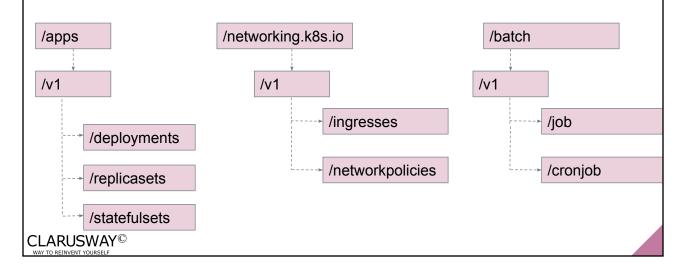


API deprecations

- **>>**
- Kubernetes versions are expressed as x.y.z, where x is the major version, y is the minor version, and z is the patch version, following Semantic Versioning terminology.
- For example: v1.29.2

API Groups

The Kubernetes API is actually a set of APIs, called "API groups", and each API group is independently versioned.



API versioning

API versions fall into 3 main tracks:

Example	Track
v1	GA (generally available, stable)
v1beta1	Beta (pre-release)
v1alpha1	Alpha (experimental)

API versioning



Group	Versions	
admissionregistration.k8s.io	v1, v1beta1, v1alpha1	
apiextensions.k8s.io	v1	
apiregistration.k8s.io	v1	
apps	v1	
authentication.k8s.io	v1, v1beta1, v1alpha1	
authorization.k8s.io	v1	
autoscaling	v2, v1	
RUSWAY®		

API versioning - Alpha



- The version names contain alpha (for example, v1alpha1).
- Built-in alpha API versions are disabled by default and must be explicitly enabled in the kube-apiserver configuration to be used.
- The software may contain bugs. Enabling a feature may expose bugs.
- Support for an alpha API may be dropped at any time without notice.

API versioning - Beta



- The version names contain beta (for example, v2beta3).
- Built-in beta API versions are disabled by default and must be explicitly enabled in the kube-apiserver configuration to be used.
- Built-in beta API versions have a maximum lifetime of 9
 months or 3 minor releases (whichever is longer) from
 introduction to deprecation, and 9 months or 3 minor
 releases (whichever is longer) from deprecation to removal.
- The software is well tested. Enabling a feature is considered safe.

CLARUSWAY®

4

API versioning - Stable



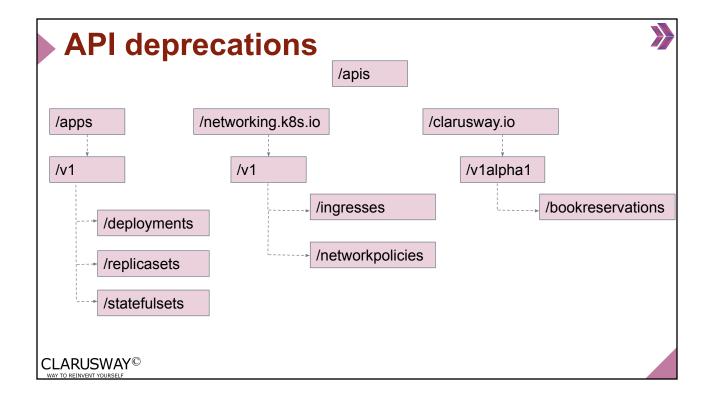
- The version name is vX where X is an integer.
- Stable API versions remain available for all future releases within a Kubernetes major version.

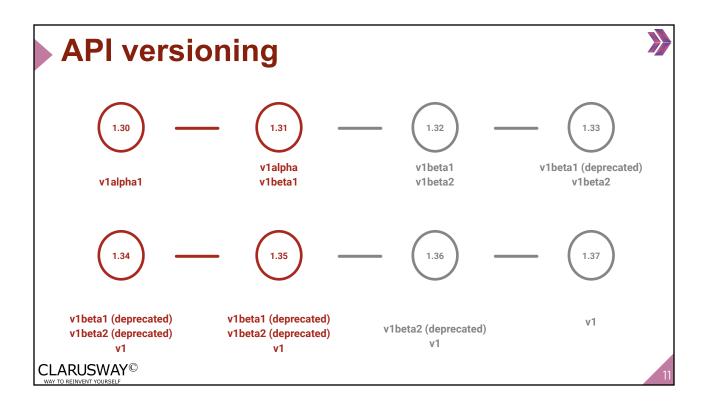


As the Kubernetes API evolves, APIs are periodically reorganized or upgraded. When APIs evolve, the old API is deprecated and eventually removed.

CLARUSWAY®

K





preferred and storage versions



Group	Versions
admissionregistration.k8s.io	v1, v1beta1, v1alpha1
authentication.k8s.io	v1, v1beta1, v1alpha1
autoscaling	v2, v1

- . The **storage** version of an API in Kubernetes refers to the version that is stored persistently in etcd.
- . The **Preferred** version determines which version the command queries when multiple versions are enabled.

