## Addon-manager

addon-manager manages two classes of addons with given template files in \$ADDON\_PATH (default /etc/kubernetes/addons/). - Addons with label addonmanager.kubernetes.io/mode=Reconcile will be periodically reconciled. Direct manipulation to these addons through apiserver is discouraged because addon-manager will bring them back to the original state. In particular: - Addon will be re-created if it is deleted. - Addon will be reconfigured to the state given by the supplied fields in the template file periodically. - Addon will be deleted when its manifest file is deleted from the \$ADDON\_PATH. - Addons with label addonmanager.kubernetes.io/mode=EnsureExists will be checked for existence only. Users can edit these addons as they want. In particular: - Addon will only be created/re-created with the given template file when there is no instance of the resource with that name. - Addon will not be deleted when the manifest file is deleted from the \$ADDON\_PATH.

Notes: - Label kubernetes.io/cluster-service=true is deprecated (only for Addon Manager). In future release (after one year), Addon Manager may not respect it anymore. Addons have this label but without addonmanager.kubernetes.io/mode=EnsureExists will be treated as "reconcile class addons" for now. - Resources under \$ADDON\_PATH need to have either one of these two labels. Otherwise it will be omitted.

Images addon-manager images are pushed to k8s.gcr.io. As addon-manager is built for multiple architectures, there is an image per architecture in the format - k8s.gcr.io/addon-manager/kube-addon-manager-\$(ARCH):\$(VERSION).

How to release The addon-manager is built for multiple architectures.

- 1. Change something in the source
- 2. Bump VERSION in the Makefile
- 3. Bump KUBECTL\_VERSION in the Makefile if required
- 4. Build the amd64 image and test it on a cluster
- 5. Push all images
- # Build for linux/amd64 (default)
- \$ make push ARCH=amd64
- # ---> staging-k8s.gcr.io/addon-manager/kube-addon-manager-amd64:VERSION
- # ---> staging-k8s.gcr.io/addon-manager/kube-addon-manager:VERSION (image with backwards-com
- \$ make push ARCH=arm
- # ---> staging-k8s.gcr.io/addon-manager/kube-addon-manager-arm:VERSION
- \$ make push ARCH=arm64
- # ---> staging-k8s.gcr.io/addon-manager/kube-addon-manager-arm64:VERSION
- \$ make push ARCH=ppc64le

- # ---> staging-k8s.gcr.io/addon-manager/kube-addon-manager-ppc64le:VERSION
- \$ make push ARCH=s390x
- # ---> staging-k8s.gcr.io/addon-manager/kube-addon-manager-s390x:VERSION

If you don't want to push the images, run make or make build instead