

Arvados Epics - Story #16303

Kubernetes support

04/01/2020 05:16 PM - Peter Amstutz

Status: In Progress	Start date: 03/01/2022
Priority: Normal	Due date: 09/30/2022
Assigned To:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	
Description Support production Arvados install on Kubernetes. This means: <ul style="list-style-type: none">• Easy installation in supported environments (helm charts or...)• Persistent block storage for postgres database, git repos• Keep (but maybe still using cloud-specific object store backends)• Run job containers on kubernetes, stage input from keep, send output to keep, handle logging• Auto-scaling hardware resources to handle jobs (this might be entirely handled for us, or we might need to request resources on demand.)	
Related issues: Related to Arvados - Support #14765: Support question - deploy on baremetal K... Resolved Related to Arvados - Feature #16386: [k8s] make the docker images for our gol... New Related to Arvados - Feature #16430: [k8s] add jenkins integration test for m... Resolved Related to Arvados - Feature #16429: [k8s] add jenkins integration test for GKE Resolved Related to Arvados - Story #16561: Add "Listen" to Services config New Related to Arvados - Feature #16562: SDKs ask API server for preferred "Servi... New Related to Arvados - Feature #16563: All services support TLS directly New Has duplicate Arvados - Bug #14872: [Epic] Kubernetes support Duplicate Blocked by Arvados - Feature #16384: [k8s] add workbench2 Resolved Blocked by Arvados - Feature #16385: [k8s] add prebuilt container images for ... New Blocked by Arvados - Feature #16388: [k8s] remove old SSO server Closed Blocked by Arvados - Feature #16389: [k8s] add support for Amazon EKS In Progress Blocked by Arvados - Feature #16390: [k8s] add support for Azure AKS New	

History

#1 - 04/01/2020 05:19 PM - Peter Amstutz

- Start date set to 01/01/2021

- Due date set to 03/31/2021

#2 - 04/01/2020 05:27 PM - Peter Amstutz

- Start date changed from 01/01/2021 to 02/01/2021

- Due date changed from 03/31/2021 to 04/30/2021

#3 - 04/01/2020 05:28 PM - Peter Amstutz

- Start date changed from 02/01/2021 to 01/01/2021

- Due date changed from 04/30/2021 to 04/01/2021

#4 - 04/01/2020 05:29 PM - Peter Amstutz

- Start date changed from 01/01/2021 to 02/01/2021

- Due date changed from 04/01/2021 to 04/30/2021

#5 - 04/22/2020 08:51 PM - Peter Amstutz

- Related to Support #14765: Support question - deploy on baremetal Kubernetes added

#6 - 04/22/2020 08:51 PM - Peter Amstutz

- Related to Bug #14872: [Epic] Kubernetes support added

#7 - 04/29/2020 03:01 PM - Peter Amstutz

- Start date changed from 02/01/2021 to 04/01/2020

- Due date changed from 04/30/2021 to 07/30/2020

#8 - 04/30/2020 04:01 PM - Ward Vandewege

- Related to Feature #16386: [k8s] make the docker images for our golang binaries much leaner added

#9 - 04/30/2020 04:01 PM - Ward Vandewege

- Blocked by Feature #16384: [k8s] add workbench2 added

#10 - 04/30/2020 04:01 PM - Ward Vandewege

- Blocked by Feature #16385: [k8s] add prebuilt container images for Arvados releases added

#11 - 04/30/2020 04:03 PM - Ward Vandewege

- Blocked by Feature #16388: [k8s] remove old SSO server added

#12 - 04/30/2020 04:05 PM - Ward Vandewege

- Description updated

#13 - 04/30/2020 04:06 PM - Ward Vandewege

- Related to deleted (Bug #14872: [Epic] Kubernetes support)

#14 - 04/30/2020 04:06 PM - Ward Vandewege

- Has duplicate Bug #14872: [Epic] Kubernetes support added

#15 - 04/30/2020 04:10 PM - Ward Vandewege

- Blocked by Feature #16389: [k8s] add support for Amazon EKS added

#16 - 04/30/2020 04:11 PM - Ward Vandewege

- Blocked by Feature #16390: [k8s] add support for Azure AKS added

#17 - 05/13/2020 03:15 PM - Ward Vandewege

- Related to Feature #16430: [k8s] add jenkins integration test for minikube added

#18 - 05/13/2020 03:16 PM - Ward Vandewege

- Related to Feature #16429: [k8s] add jenkins integration test for GKE added

#19 - 05/18/2020 06:26 PM - Peter Amstutz

- Status changed from New to In Progress

#20 - 06/24/2020 07:12 PM - Peter Amstutz

- Related to Story #16561: Add "Listen" to Services config added

#21 - 06/24/2020 07:12 PM - Peter Amstutz

- Related to Feature #16562: SDKs ask API server for preferred "Services" config based on whether you are "internal" or "external" added

#22 - 06/24/2020 07:13 PM - Peter Amstutz

- Related to Feature #16563: All services support TLS directly added

#23 - 08/03/2020 05:32 PM - Peter Amstutz

- Due date changed from 07/30/2020 to 08/26/2020

#24 - 08/19/2020 02:12 PM - Peter Amstutz

- Due date changed from 08/26/2020 to 10/30/2020

#25 - 10/14/2020 03:26 PM - Peter Amstutz

- Start date changed from 04/01/2020 to 03/01/2021

- Due date changed from 10/30/2020 to 10/30/2021

#26 - 01/13/2021 06:50 PM - Peter Amstutz

- Start date changed from 03/01/2021 to 09/01/2021

- Due date changed from 10/30/2021 to 12/31/2021

#27 - 06/30/2021 08:09 PM - Peter Amstutz

- Start date changed from 09/01/2021 to 12/01/2021

- Due date changed from 12/31/2021 to 03/31/2022

#28 - 09/22/2021 06:13 PM - Peter Amstutz

- Start date changed from 12/01/2021 to 03/01/2022

- Due date changed from 03/31/2022 to 09/30/2022