

Arvados - Feature #10666

All Arvados components should report their version

12/05/2016 07:55 PM - Tom Clegg

Status: Resolved	Start date: 12/05/2016
Priority: Normal	Due date:
Assigned To: Lucas Di Pentima	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: 2017-12-06 Sprint	
Description It should be possible to get the version of an arvados-prog via <ul style="list-style-type: none">• arvados-prog -version• curl http://.../status.json jq -r .Version• grep "started" ../log/main/current	
Subtasks: Task # 12490: Review 10666-report-version Resolved	
Related issues: Related to Arvados - Bug #10587: All Python CLI utilities should report --ver... Resolved 11/22/2016	

Associated revisions

Revision d7db1f08 - 12/04/2017 09:02 PM - Lucas Di Pentima

Merge branch '10666-report-version'
Closes #10666

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <ldipentima@veritasgenetics.com>

History

#1 - 12/05/2016 07:57 PM - Tom Clegg

- Description updated

#2 - 08/29/2017 02:28 PM - Tom Morris

- Target version set to Arvados Future Sprints

#3 - 10/19/2017 09:32 PM - Tom Morris

- Subject changed from Packaged go binaries should report their own version numbers to All Arvados components should report their version

This isn't specific to Go programs. I thought we'd already decided that all programs should return their version numbers (although I think we said --version, not -version).

Besides crunch-dispatch-slurm, what other components are we missing?

#4 - 10/19/2017 09:32 PM - Tom Morris

- Target version changed from Arvados Future Sprints to 2017-11-08 Sprint

#5 - 10/19/2017 09:35 PM - Nico César

+1

is hard to tell from **the logs** if deploys are using the correct version

#6 - 10/25/2017 07:27 PM - Tom Morris

- Assigned To set to Tom Clegg

#7 - 11/08/2017 08:03 PM - Tom Clegg

- Assigned To deleted (Tom Clegg)

- Target version changed from 2017-11-08 Sprint to 2017-11-22 Sprint

#8 - 11/08/2017 08:30 PM - Tom Morris

- Assigned To set to Lucas Di Pentima

#9 - 11/20/2017 05:56 PM - Lucas Di Pentima

- Status changed from New to In Progress

#10 - 11/22/2017 07:19 PM - Lucas Di Pentima

- Target version changed from 2017-11-22 Sprint to 2017-12-06 Sprint

#11 - 11/29/2017 05:07 PM - Peter Amstutz

For crunch-run, can we please also log the version number either to either the "crunch-run" (cr.CrunchLog) or "node-info" (LogNodeInfo()) logger?

#12 - 11/30/2017 04:33 PM - Lucas Di Pentima

Updates at [7209d0ade](#) - branch 10666-report-version

Test run: <https://ci.curoverse.com/job/developer-run-tests/520/>

Added a version package to Go SDK holding a variable that can be assigned the version number from the linker flags (taken from <https://medium.com/@joshroppo/setting-go-1-5-variables-at-compile-time-for-versioning-5b30a965d33e>)

Added a --version param and version logging to the following go programs:

- Tools
 - arv-sync-groups
 - keep-block-check
 - keep-exercise
 - keep-rsync
- Services
 - arv-git-httpd
 - crunch-dispatch-local
 - crunch-dispatch-slurm
 - arvados-health
 - keep-balance
 - crunchstat
 - crunch-run
 - keep-web
 - keepproxy
 - keepstore
 - arvados-ws

There are some services that should also be reporting their version on their /status.json endpoint (pending)

#13 - 11/30/2017 05:51 PM - Lucas Di Pentima

Updates at [60a60a176](#)

Test run: <https://ci.curoverse.com/job/developer-run-tests/521/>

Added version information to /status.json endpoint on the following services:

- keepstore
- keep-web
- ws

Also added corresponding tests.

#14 - 11/30/2017 07:18 PM - Tom Clegg

Isn't the version package superfluous? Seems like adding

```
var version = "dev"
```

to each program would achieve the same thing with less code...?

I suppose package_go_binary() in [source:build/run-library.sh](#) needs to learn how to pass the appropriate flags to go get, in order for this to be effective? Something like

```
go get -ldflags "-X main.version=${version}" "git.curoverse.com/arvados.git/${src_path}"
```

#15 - 11/30/2017 07:32 PM - Tom Clegg

```
$ cat <<EOF >main.go
package main
```

```
import "fmt"
var version="foo"
func main() {
    fmt.Println(version)
}
EOF
$ go run main.go
foo
$ go run -ldflags "-X main.version=bar" main.go
bar
```

#16 - 11/30/2017 08:52 PM - Lucas Di Pentima

Updates at [92656b214](#)
Test run: <https://ci.curoverse.com/job/developer-run-tests/523/>

Removed the version package, replaced it with version var on every program.

#17 - 12/01/2017 12:15 AM - Lucas Di Pentima

Updates at [c24ca3f71](#)
Test run: <https://ci.curoverse.com/job/developer-run-tests/524/>

Add version information to arv-mount startup logging, and nodemanager logging & /status.json endpoint.

#18 - 12/01/2017 03:00 PM - Tom Clegg

Suggest %s rather than %q when logging version numbers at startup (hopefully we won't have version numbers that need quoting, right?)

"arvados health %q started" → "arvados-health %s started"

Should probably change the "--version" output from "Version: 1.2.3" → "arvados-health 1.2.3".

In arvados-ws the existing "started" log is now superfluous and should be removed.

```
log.Printf("arvados-ws %q started", version)
log.Info("started")
```

When you're in func main(), os.Exit(0) can also be written as "return", which might be a better habit since it runs any deferred statements on the way out.

#19 - 12/04/2017 05:52 PM - Lucas Di Pentima

Updates at [0c3b77f800](#)
Test run: <https://ci.curoverse.com/job/developer-run-tests/526/>

Addressed comments from note-18, and also updated the build script to pass the version as linker flags on go programs. Started to work on passing the version info to api & workbench but realized both already have that feature.

#20 - 12/04/2017 07:43 PM - Tom Clegg

Looks like the bits in "tools" dir didn't get updated from "Version: X" to "progname: X": arv-sync-groups, keep-block-check, etc.

with that, LGTM

#21 - 12/04/2017 07:55 PM - Lucas Di Pentima

Updates at [0c888bcc93b559339c8abbce784bdcc44746bca2](#)
Test run: <https://ci.curoverse.com/job/developer-run-tests/528/>

Fixed missing tools && merged master. Will merge after a successful test run.

#22 - 12/04/2017 09:05 PM - Anonymous

- Status changed from In Progress to Resolved

- % Done changed from 0 to 100

Applied in changeset [arvados|d7db1f0877015228835fac67d4ad08789d39c520](#).