SIG-Release Deep Dive

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Chuck Ha - VMware (via Heptio)

- Active member of SIG-Cluster-Lifecycle
- Developing Cluster-API and the AWS Implementation of Cluster-API
- Has never been a part of a release team

Josh Berkus - Red Hat

- Active member of SIG-Release
- Was 1.11 Release Lead, and on 4 other Release Teams

Caleb Miles - Google

-

Doug MacEachern - VMware

- Release team branch manager lead for 1.12 and 1.13
- Kubernetes vSphere Cloud Provider, Cluster API and CSI development

SIG-Release Deep Dive

Topics

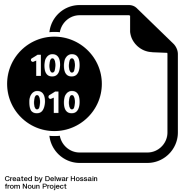
1. SIG Release and Release Tools
2. Tour of Release Tools
3. History of Tooling
4. Release Process
5. Future Development
6. Q&A

Release Tools

But first, context!

GCB - Google Cloud Build

Release:



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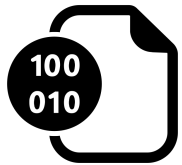

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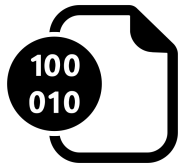

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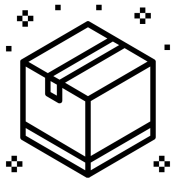
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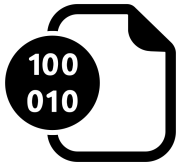

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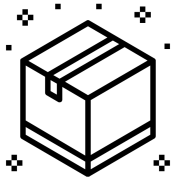
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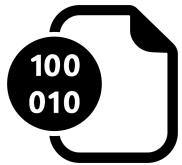

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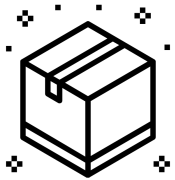
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Release Tools

anago

Responsible for:

- Finding the correct set of binaries
- Pushing artifacts to some location
- Building the kubernetes.tar.gz release file
- Building and checking in the new version changelog
- Pushing a tagged release (github)
- Emailing communities

Release Tools

gcbmgr

```
root@e320f1a1aa52:/home/ubuntu#  ./gcbmgr list
gcbmgr: BEGIN main on e320f1a1aa52 Fri Dec  7 16:54:34 UTC 2018

Checking /home/ubuntu state:  OK
Checking/setting cloud tools:  OK
Checking required system packages:  OK

Last 5 jobs:

TAGS                    S   ID                                      START(UTC)
================        =   ====================================    ==============

chuck-at-heptio-com
release-1.13
find_green_build
STAGE                   F   2c1f8059-72ee-4910-865e-651289fdf83e    2018-Nov-27+20:04:33

chuck-at-heptio-com
release-1.13
HEAD
STAGE                   F   b9e7485a-2943-4543-9f0e-9ce228ed36e2    2018-Nov-27+20:02:22
```

Release Tools

debs and rpms

This is where my story starts and why I proposed this talk.

History

How we got here

The Release Process

Doug's part

Future Development

More for Caleb

KubeCon
CloudNativeCon
North America 2018