Open. Together.
ONIE Project Update

Alex Doyle
Build Engineer
Cumulus Networks
ONIE Update: TL;DL Version

● New project lead - Alex Doyle.
● Things are running fine.
● Look for some enhanced build tools this year.
● Thanks, everybody!
ONIE Update: --verbose Version

● ONIE is the Open Network Install Environment
  ○ It is an OS provisioning program for bare metal switches
● The Present
  ○ What’s new?
● The Past
  ○ Measuring ONIE’s health through statistics
● The Future
  ○ Where do we go from here?
What’s New?

● Me, as a project lead for ONIE
  ○ I’m a build engineer at Cumulus Networks
  ○ Taking over for the original lead, Curt Brune
  ○ ONIE encapsulates a number of my interests:
    ■ Linux systems, embedded and otherwise
    ■ OS installers
    ■ Clear documentation
    ■ Improving developer experiences
    ■ Community management
I’m planning on:

- Not breaking what’s working
- Processing pull requests of code fixes and new platforms
- Keeping the code quality high
- Managing quarterly releases
- Helping out wherever I can
- Doing additional development
- Digging deeper into the code base
- Thanks to ONIE mailing list subscribers for jumping in
ONIE One Year Statistics - This Year

22 new machine definitions
..for a total of 161

17 contributing individuals
...from 13 organizations

100 git commits
ONIE One Year Statistics - Last Year

43 new machine definitions

24 contributing individuals

20 organizations

So, cooling off some, but not bad!
Project Contributors - Thanks!

- Accton Technology
- ARM
- Cogent Embedded, Inc
- Cumulus Networks
- Dell EMC
- Delta Networks
- Edgecore Networks
- Freescale
- Lenovo
- NXP
- Quanta Cloud Technology
- Red Hat

...as well as a number of individual contributors
Where Do We Go From Here?

- Encourage community participation
- Don’t break what’s working
- Enhance the Docker container build environment
  - Reduce the number of steps to deploy
  - Make it a bit more comfortable
  - Use it as a reference build environment
    - For Jenkins build and automated testing
    - As well as debugging build issues
In Conclusion

● ONIE continues to be:
● Important
● Maintained
● ...and welcoming of well thought out pull requests
Questions?
Thank You!

Source code: https://github.com/opencomputeproject/onie

Documentation: https://opencomputeproject.github.io/onie/overview

Mailing list: https://ocp-all.groups.io/g/OCP-ONIE
Open. Together.
Technical content is desired
Open, collaborative in nature, Material must be relevant to an open source community
Must not be a product advertisement or too ‘commercial’ in the messaging

Products, Specs, and any contributions that have NOT been previously discussed in a monthly call, workshop, or previously approved by the foundation should NOT be disclosed in a summit workshop.

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ONIE Update --verbose Version

- ONIE is the Open Network Install Environment
  - Operating system provisioning program for bare metal switches

- The Present
  - What’s new?

- The Past
  - Measuring ONIE’s health through contributions and statistics

- The Future
  - Where do we go from here?
What’s New?

- Me, as a project lead for ONIE
  - Recently took over from the original lead, Curt Brune.
  - We worked together at Cumulus Networks
    - We’re big fans of ONIE
    - I’m a Linux build engineer there
- ONIE is at the intersection of a number of my interests:
  - Linux systems, embedded and otherwise
  - OS Installers
  - Clear documentation
  - Improving developer experiences
  - Community management (apparently I have “social skills”)
...And I’ll Be:

- Not breaking what’s working
- Processing incoming pull requests for code fixes
- ...and new platforms
- Keeping the code quality high
- Managing quarterly releases
- Helping out wherever I can
- Doing additional development
- ...still coming up to speed, so a big thank you to the members of the ONIE mailing list for jumping in.
ONIE One Year Statistics

- 22 New machine definitions
  - ...For a total of 161
- 17 Contributing individuals
  - From 13 organizations
- 100 git commits

- Last year:
  - 49 New machines
  - 24 Individuals
  - 20 organizations
  - So, cooling off some, but not bad!
Project Contributors – Thanks!

- Accton Technology
- ARM
- Cogent Embedded, Inc.
- Cumulus Networks
- Dell EMC
- Delta Networks
- Edge-core Networks
- Freescale
- Lenovo
- NXP (Qualcomm)
- Quanta Cloud Technology
- Red Hat

...as well as a number of individual contributors
Where Do We Go From Here?

- Encourage community participation
- Keep things rolling along
- Enhance the Docker container build environment
  - Fewer steps to deploy
  - Make it a more comfortable development environment
  - Use it as a reference build environment
    - For Jenkins build/automated testing
    - And debugging build issues.
In Conclusion

- ONIE continues to be:
  - Important
  - Maintained
  - ...and welcoming of well thought out pull requests
Questions?
Thank You!
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