Releasing HTCondor: Upstream, Downstream, and more

Tim Theisen
Year in Review

› 7 Development Releases
  ▶ 186 tickets (average 27 tickets per release)
  ▶ (397 if you count stable and work completed for 8.1.6)

› 7 Stable Releases
  ▶ 159 tickets (average 23 tickets per release)
  ▶ (170 if you count work completed toward 8.0.7)
Architecture Support

› Added Support:
  – Debian 7 (x86_64)
  – Ubuntu 12.04 LTS (x86_64 clipped)
  – Red Hat 7 Beta (x86_64)

› Dropped:
  – Debian 5
Release Management

› New HTSheriff in town
  ≫ Release is now Separate
  ≫ Developers produce the Release Candidate
  ≫ Release determines whether to release it
Release Management

› Duties of the new HTSheriff in town
  ▶ Testing of Release Candidate
  ▶ Final Packaging of Release

› Testing updates
  ▶ Test interoperability between stable releases
  ▶ LIGO project provides test environment

› Packaging update
  ▶ htcondor-test RPM
Contributions

› Open Science Grid
  › Contributed Support for a Single SRPM
    • Builds for OSG style installation
    • Builds similar to current UW build configuration

› Red Hat
  › Source code contributions

› Debian
  › Small patches
# Downstream Releases

<table>
<thead>
<tr>
<th>Distribution</th>
<th>HTCondor Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>Debian 6 (squeeze)</td>
<td>N/A</td>
</tr>
<tr>
<td>Debian 7 (wheezy)</td>
<td>Condor 7.8.2</td>
</tr>
<tr>
<td>Debian testing (jessie)</td>
<td>HTCondor 8.0.5</td>
</tr>
<tr>
<td>Open Science Grid 3.1.x</td>
<td>Condor 7.8.8</td>
</tr>
<tr>
<td>Open Science Grid 3.2.x</td>
<td>HTCondor 8.0.6</td>
</tr>
<tr>
<td>Red Hat MRG</td>
<td>HTCondor 8.0.x + updates</td>
</tr>
<tr>
<td>Rocks 6.1</td>
<td>Condor 7.8.5</td>
</tr>
<tr>
<td>Rocks 6.1.1</td>
<td>HTCondor 8.0.5</td>
</tr>
<tr>
<td>Ubuntu 12.04 LTS</td>
<td>N/A</td>
</tr>
<tr>
<td>Ubuntu 14.04 LTS</td>
<td>HTCondor 8.0.5</td>
</tr>
</tbody>
</table>
Repository Updates

› Red Hat 6
  ⚫ Signed RPMs

› Debian
  ⚫ Signed debs

› Ubuntu 12.04 LTS
  ⚫ Coming soon
Packaging Plan

› Red Hat
   › More standard packaging
     • RPMs built with rpmbuild (rather than cmake)
     • SRPM
     • Binary RPMs
       – Select what you need (Standard Universe)
       – Debug symbols match!

› Debian
   › debs built with pbuilder
   › Close match to debian packaging

› MacOSX: future work
Plans

› System Level Testing
  ▸ Releases
  ▸ Nightly

› Improve Packaging

› Cover All Popular Distributions

› Support Downstream Distributions
  ▸ May just install HTCondor from distributions repository