Making Livepatching Infrastructure Better
Livepatching Miniconf - Linux Plumbers 2019

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Testing Live patching – What more can we do?

Kernel
- samples/livepatch
- lib/livepatch

Unit test cases
- Kernel Patch
  - Corner Cases
  - CVE(s)

Random Kernel Patch

In-built

Combinations
- K + T (50%)
- UK + T (100%)
- UK + UT (200%)

Ideas?
- Failure test cases
- Contribute to test projects
- Ask the kernel build people to run livepatch enabled
  Publish the results

snow patch

snow patch

Jenkins

Jenkins

K = Distro Kernel
T = Distro Tool Chain
UK = Upstream Kernel
UT = Upstream Tool Chain

Travis CI
**Project K-Bot**

This build requires parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>buildmachine</td>
<td></td>
</tr>
<tr>
<td>kernel_git_repo</td>
<td></td>
</tr>
<tr>
<td>kernel_git_repo_branch</td>
<td>master</td>
</tr>
<tr>
<td>buildnily</td>
<td></td>
</tr>
<tr>
<td>avtest</td>
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</tr>
<tr>
<td>configfile</td>
<td></td>
</tr>
<tr>
<td>inputfile</td>
<td></td>
</tr>
<tr>
<td>patchfile</td>
<td></td>
</tr>
<tr>
<td>bootdisk</td>
<td>None</td>
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<tr>
<td>sid</td>
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</table>

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Thank you