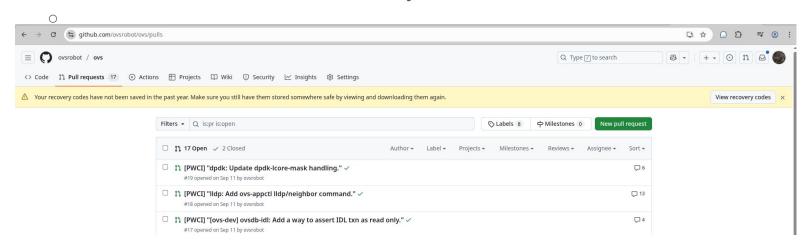


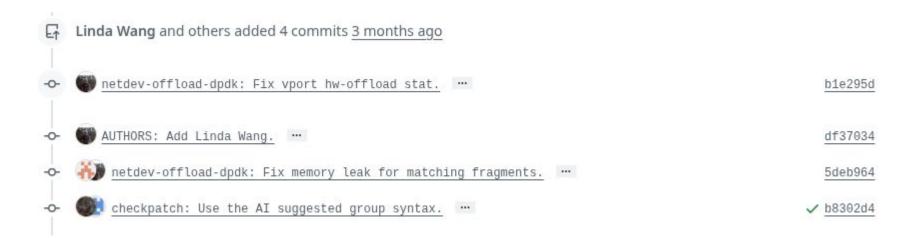
When CI Shouts Back: LLMs in the OVS CI Pipeline

Tried out CodeRabbit, and Sourcery

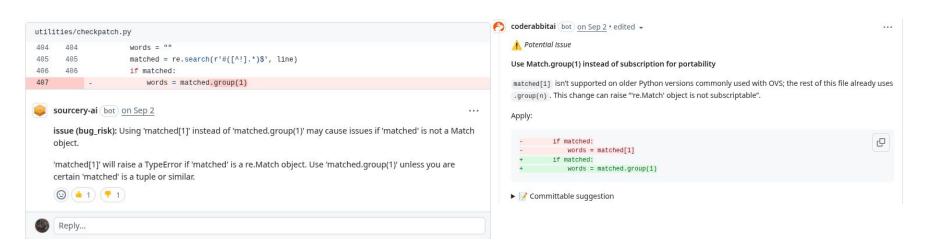


sourcery-ai bot left a comment Hey there - I've reviewed your changes and they look great! coderabbitai bot left a comment Actionable comments posted: 2 ▼ 🣜 Review details Configuration used: CodeRabbit UI Review profile: CHILL Plan: Pro Knowledge Base configuration: · MCP integration is disabled by default for public repositories · Jira integration is disabled by default for public repositories · Linear integration is disabled by default for public repositories You can enable these sources in your CodeRabbit configuration.

- PW-CI infra changes needed pull request
 - Downsides with PRs Difficult to track, alternate area for patch discussion, etc.



- Weird behavior
 - Need to keep branches *very* in-sync
 - Bots like to suggest doing one thing then doing another



Custom Shouting

Claude RFC:

https://patchwork.ozlabs.org/project/openvswitch/patch/20251114143143.931985-1-aconole@redhat.com/

```
.ci/ai_review/README.md | 197 +++++++++
.ci/ai_review/prompts/review-start.md | 110 +++++
.ci/ai_review/requirements.txt | 1 +
.ci/ai_review/review.py | 411 +++++++++++++++
.ci/ai_review/run_code_review_session.sh | 302 +++++++++++++++
5 files changed, 1021 insertions(+)
create mode 100644 .ci/ai_review/README.md
create mode 100644 .ci/ai_review/prompts/review-start.md
create mode 100644 .ci/ai_review/requirements.txt
create mode 100755 .ci/ai_review/review.py
create mode 100755 .ci/ai_review/run_code_review_session.sh
```

Custom Shouting

Some advantages

- Our own custom prompt
- Can be run by developers
- Can get integrated in GHA

Costs \$\$

```
> diff --git a/lib/dpif-offload.c b/lib/dpif-offload.c
> index 62bdd31b9..672df8a38 100644
> --- a/lib/dpif-offload.c
> +++ b/lib/dpif-offload.c
> @@ -43,10 +43,14 @@ static const struct dpif offload class *base dpif offload classes[] = {
> #ifdef DPDK NETDEV
       &dpif_offload_dpdk_class,
> #endif
       /* If you add an offload class to this structure, make sure you also
        * update the dpif_offload_provider_priority_list below. */
       &dpif_offload_dummy_class,
       &dpif_offload_dummy_x_class,
> };
> +static char *dpif_offload_provider_priority_list = "tc,dpdk,dummy,dummy_x";
Does this code leak the original string when dpif_offload_set_global_cfg()
overwrites dpif_offload_provider_priority_list with a new xstrdup'd value?
> @@ -125.6 +129.12 @@ dpif offload show classes(struct unixctl conn *conn, int argc OVS UNUSED.
```

Custom Shouting

```
aconole@RHTRH0061144:~/git/ovs/.ci/ai review/gaeta... ×
                                             aconole@RHTRH0061144:-/git/openvswitch.github.io
 + * Unless required by applicable law or agreed to in writing, software
 + * distributed under the License is distributed on an "AS IS" BASIS,
 + * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 + * See the License for the specific language governing permissions and
 + * limitations under the License.
 +#include <config.h>
 +#include <stdint.h>
 +#include "dpif-netdev-perf.h"
 +#include "openvswitch/util.h"
 +#include "ovstest.h"
 +#include "random.h"
 +#include "util.h"
is the random.h include used anywhere in this file?
```