Lab 6 – Organizing complex configurations with labels and includes

- On which port will WordPress send its logs to Fluentd?

  - Port 24100

- Are those directories where the final log files will be made?

  - No, those are the buffer directories where events will be stored until Fluentd flushes the buffer to write the files.

- Reconfigure the database-log output to send events in msgpack

```
<label db>
  <match **>
    @type file
    path /tmp/lab6/database-log
    <buffer>
      timekey 60s
      timekey_wait 1m
    </buffer>
    <format>
      @type msgpack
    <format>
  </match>
</label>
```

- Using a filter, try to print only the log portion of events being sent to the frontend-log file

```
<label frontend>
  <filter **>
    @type record_transformer
    remove_keys container_id,container_name,source,
  </filter>
  <match **>
    @type file
    path /tmp/lab6/frontend-log
    <buffer>
      timekey 60s
      timekey_wait 1m
    </buffer>
  </match>
</label>
```

- Why are a pair of `<label>` directives still inside the "master" configuration file?
  - wordpress.conf and guestbook.conf contain relabel plugins that send events to the `db` and `frontend` labels. Neither of those files have a `<label>` directive to inside them, so they are placed inside the main configuration file.

- If those `<label>` directives were removed, would Fluentd still correctly reconfigure? Why or why not?
  - Fluentd would not start because a @label parameter always needs a matching `<label>` directive present.

- Try using a wildcard `*` to simplify the primary Fluentd configuration file

```
@include /home/ubuntu/lab6/*.conf

<label frontend>
```

```
  <match **>
    @type file
    path /tmp/lab6/frontend-log
    <buffer>
      timekey 60s
      timekey_wait 1m
    </buffer>
  </match>
</label>

<label db>
  <match **>
    @type file
    path /tmp/database-log
    <buffer>
      timekey 60s
      timekey_wait 1m
    </buffer>
  </match>
</label>
```