Introduction to WildFly and how to get started fast
About me

- Principal Software Engineer at Red Hat
- Joined the WildFly team in 2012
- Work on management capabilities of WildFly
- Management console lead (HAL)
Agenda

- Introduction to WildFly
- How to get started
- How to get involved
- Q&A
What do I get?
What do I get?

"A powerful, modular, & lightweight application server that helps you build amazing applications."
Modular

- JBoss Modules
- Profiles and subsystems
- Layers, features and feature packs
Powerful

- Management model
- Management interface
  - XML
  - CLI
  - Console
  - YAML
  - REST API
  - Java API
  - JMX
<server xmlns="urn:jboss:domain:20.0">
  <profile>
    <subsystem xmlns="urn:jboss:domain:logging:8.0">
      <console-handler name="CONSOLE">
        <level name="DEBUG"/>
        <formatter>
          <named-formatter name="COLOR-PATTERN"/>
        </formatter>
      </console-handler>
    </subsystem>
  </profile>
</server>
[standalone@localhost:9990 /]
/subsystem=logging/console-handler=CONSOLE:write-attribute(name=level,value=DEBUG)
{"outcome" => "success"}

[standalone@localhost:9990 /]
/subsystem=logging/console-handler=CONSOLE:read-resource
{
   "outcome" => "success",
   "result" => {
      ...,
      "level" => "DEBUG",
      ...
   }
}
Configuration / Console
Configuration / YAML

YAML

wildfly-configuration:
  subsystem:
    logging:
      console-handler:
        CONSOLE:
          level: DEBUG

SHELL

> ./standalone.sh -c standalone-full.xml -y=some.yml:another.yml
> curl ...

"http://.../management/subsystem/logging/console-handler/CONSOLE?operation=resource"

{
  ...
  "level": "DEBUG",
  ...
}

SHELL
Lightweight

- "Just enough app server"
- Fast startup
- Low memory
- Stateless management interface
Standard based

- Java SE 11, 17, 21
- Jakarta EE 10
- Eclipse MicroProfile 6.1
Get involved
Get Involved

- Get the code on [github.com/wildfly/wildfly](https://github.com/wildfly/wildfly)
- Start [hacking on WildFly](https://github.com/wildfly/wildfly)
- Find [good fist issues](https://github.com/wildfly/wildfly/issues)
- Join the discussions on the [WildFly Google group](https://groups.google.com/forum/#!forum/wildfly), or chat with us on the Zulip [wildfly-user](https://zulipchat.com/#stream/wildfly-user) and [wildfly-developer](https://zulipchat.com/#stream/wildfly-developer) channels