ADOPTIUM
Community Day
Welcome

● Housekeeping

● Overview of the day

○ Meet and greet
○ Project highlights
○ Focus areas for 2023
○ Working Group and Community growth
○ 11:00 am - BREAK
○ Website and marketing
○ Infrastructure
○ 12:30 pm - LUNCH

○ Temurin & Temurin-build
○ AQAvit
○ 3:00 pm - BREAK
○ Trusted software initiative
○ Reproducible builds
○ Empty slot
○ Wrap-up
Meet and Greet
Meet the Adoptium Community

- Introduce yourself
- Any specific goals for today?
Project Highlights
Five minutes summary of ...

- The Adoptium Working Group
- Adoptium Marketplace
- Temurin
- AQAvit
- Temurin Compliance
- Eclipse Mission Control
- Adoptium Incubator
- Migration Toolkit for Java
Adoptium Working Group

- Group handling tasks that support the work of the technical projects.
- Primary source of funding for project resources.
- Marketing and promotion of Adoptium projects.

- Liaise with Eclipse Foundation to agree strategic plan and supporting budget.
- Make non-technical decisions about the project (legal, procedural, etc).
- Meet weekly and publish minutes to mailing list.

https://adoptium.net/members/
The Adoptium Marketplace

- Launched May 2022 to raise the quality of OpenJDK builds available.
- Open to working group members with publisher agreement on file.
- Listing is self-managed by publisher
  - Compliant Java SE implementation
  - Passed AQAVisit verification suite
  - No need to be open source
- Metadata and binaries served from publisher property
Temurin

- The well-tested Java SE binary available across multiple platforms.
- Consumable, via website, API, packages, container images, installers, redistributors. Signed for safe OS use.
- Simple license: open source and $free to use anywhere, forever.
- Built via “temurin-build”, tested by AQAvit and compliance.
- Follows OpenJDK quarterly update cycle, predictable releases in January, April, July, October; and Long Term Support every two years.
AQAvit

- Adoptium’s quality verification program.
  - Comprises tests authored in the project, at OpenJDK, and other projects

- Tools and infrastructure to run tests and analyse results.
  - Test result summary service for quickly identifying trends and regressions.

- Open source licensed for all to use, extend, and adapt as required.

- “AQAvit Verified” is a well-defined status that can be applied to any build.
  - Claiming AQAvit verified requires additional obligations.
Temurin Compliance

- Non-open project set up to handle Oracle’s Java SE Compliance Test Suite (JCK)
- Requires additional agreements in place for community to participate.
- Requires private infrastructure to hold and run proprietary code.
- External communication limited to indicating pass/fail of a binary.
- Contains tools to help run the JCK efficiently.
Eclipse Mission Control

- Low-overhead monitoring and management of running Java applications.
- Vanilla build of code developed in OpenJDK “JMC” project and branded as Adoptium.
Adoptium Incubator

- Location for easy collaboration on innovative features in the runtime.
- Low threshold for setting up the project.
  - Progression to full project or abandonment
  - Not all projects are expected to progress beyond the incubator
- PMC keeps an eye on community health.

- Fast start-up ideas collaboration between Alibaba and Google
Migration Toolkit for Java

- Tool to help application developers move to later Java API versions.
- Recognition that many applications remain on Java 8, and need help to get to Java 11+
Focus Areas for 2023
Focus Areas for 2023

1. Vibrant Healthy Projects
   - Ensure Adoptium projects thrive by providing excellent community health, technical resource, and marketing support for their success.
   - Establish Adoptium as the industry's top vendor-neutral source of secure, high-quality open source Java runtimes.
   - Identify technical collaboration opportunities across Eclipse projects and beyond.
   - Increase the developer and working group membership to further grow our inclusive, diverse, and robust community.

2. Increase Product Usage

3. Innovation that Matters

4. Grow Membership and Involvement
Working Group and Community
Working Group and Community

- Community opportunities
  - Create knowledge share spaces
  - Promote community participation and activities

- Engagement with others
  - Student programmes
  - Eclipse project affinity
  - Key communities beyond Eclipse

- Growing Working Group Membership
  - Promote the advantage of being a member
  - Members referral

- Sponsorship
BREAK – 30 mins
Website and Marketing
Website

- **Pros:** anyone can edit the website directly via a Github pull request, and there is an automatic staging step to review changes
- **Cons:** can be difficult to locally test logic changes

**Contributors**

*Help us make these docs great!* All Adoptium docs are open source. See something that’s wrong or unclear?

[Edit this page]
Website

- Do we portray a professional image with a consistent style and “voice”?  
- Scope (distribution site, project information, community resource, ...)
  - Today’s website fulfils a variety of needs
  - Do we have community capacity to grow the scope and role of the website? If so where do we start?
- Release notes!
  - Often asked for feature - in development
- Predictable / static URLs to releases
  - Often used and published on fora, readmes, instructions, etc.
- Blog & news feeds
Marketing

- Project marketing to date has been *ad hoc* and mostly targeting developers.
- Need for longer term marketing plan to bring Adoptium brand to architects and executive-level decision makers.
  - Focus on Adoptium as the key brand
  - Trusted technology provider to enterprises
  - Membership growth
  - Community retention
- What is important to enterprise users? How do we reach them?
Adoptium Infrastructure
Adoptium Infrastructure

● Review of current infrastructure
  ○ 300+ Machines
  ○ Ansible playbooks for infrastructure-as-code
  ○ 60+ GitHub repositories

● Reflection of 2022 achievements and issues
  ○ Dynamic machines (Docker)

● Future requirements
  ○ Chaos monkey
  ○ Infrastructure reproducibility (reproducible builds)

● Plans in place
LUNCH – 1h 30mins
Temurin & Temurin Build
Temurin and Temurin-Build

- **Priorities**
  - Maintaining focus on shared goals

- **Development practices**
  - Release process checklist
  - Work distribution
  - Code freeze vs branching?
AQAvit
AQAvit

- Priorities
- Development practices
- Plans
BREAK – 30 mins
Reproducible Builds
Reproducible Builds

● Why reproducible builds?
● What needs to change to get byte-for-byte equivalence everywhere
● Progress to date
● Opportunities that open up when we have reproducible builds
  ○ Distributed workloads and auditability
Trusted Software Initiative

- Secure software development framework (SSDF)
  - Goals and progress so far
  - Next step to enhance our delivery of secure software
  - Auditability and incident logging

- Supply chain levels for software artefacts (SLSA)
  - Evaluating the current state of Temurin
  - Self-certification and documentation

- Software bill of materials
  - What we currently produce
  - CycloneDX update
Wrap-up
Thank you!

● Summary of the day
● Review of actions taken
● Where to follow-up