

Java Strategy @ BNY Mellon

A Briefing for the Java Community Process - Executive Committee

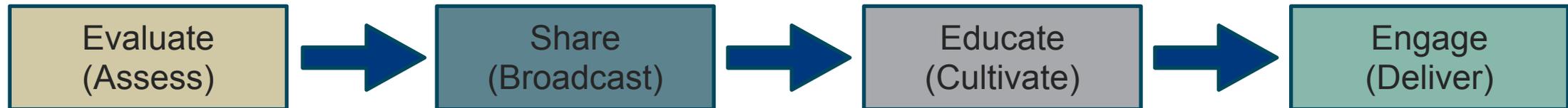
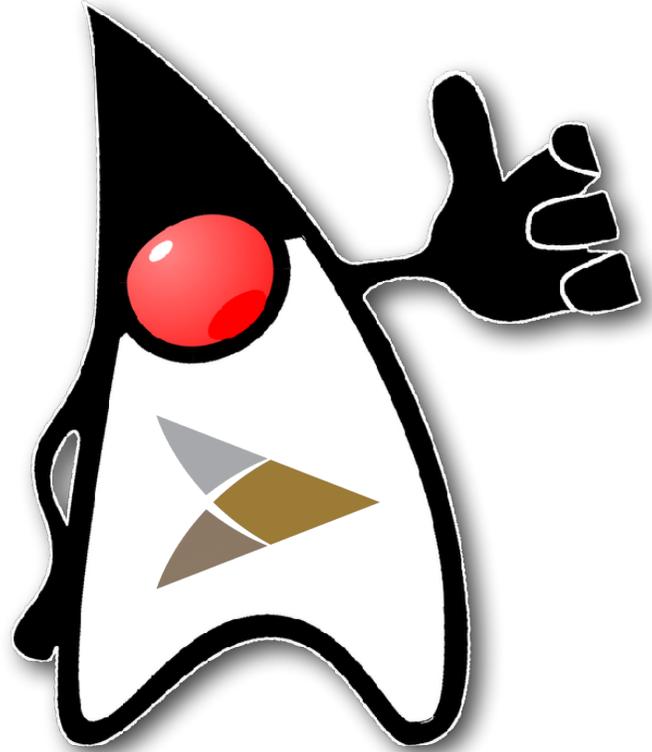
Donald Raab
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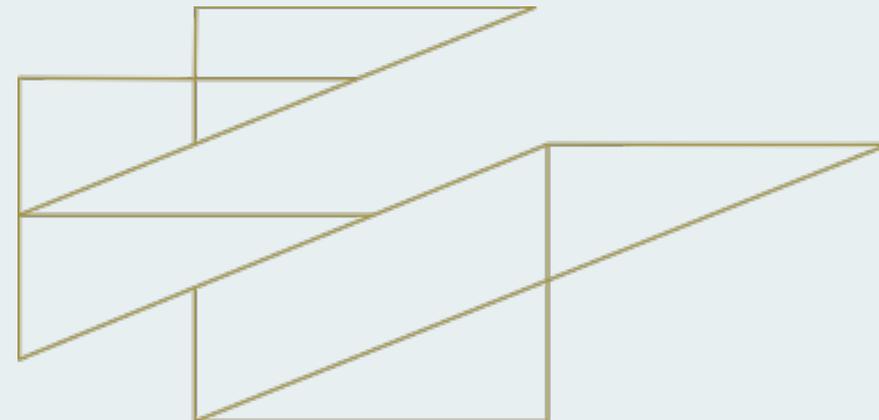
September 2020

Why this presentation

- Logical next steps after “Java in Education”
- Share ideas that worked for BNY Mellon
 - Help with our campus hires and new developers
 - Standardize Java usage across a large organization

Java Strategy





Java Strategy

Evaluate

Java Strategy - Evaluate

- Choose a Java vendor
- Determine versions of Java to be used
- Determine usability across various host form-factors



Choose a vendor

- Licensing and cost
 - Pre-existing License agreements
 - Licensing across Operating Systems
 - Non-contamination Certification
 - Potential to contribute enhancements
 - Cost based on usage across all form-factors (desktops, servers, OS's etc.)



Choose a vendor - continued

- Support, updates and extensions
 - Commercial/community support
 - Out-of-cycle Critical Fixes agreements
 - Internal certificates strategy
 - Availability of extensions / other features



Determine Java versions

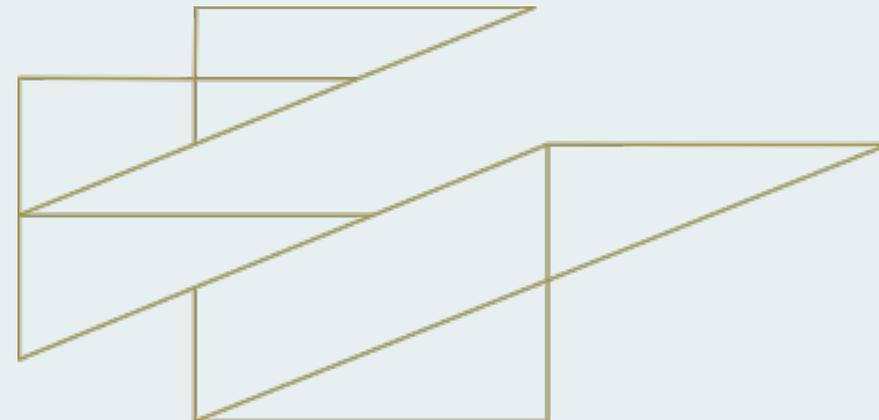
- Evaluate Long Term Support and Feature Releases
- Determine what works best in terms of stability
- Determine upgrade strategy for versions



Determine availability across various form factors

- List various form-factors where Java is needed
- Ensure licensing and availability
- Determine upgrade strategy for versions





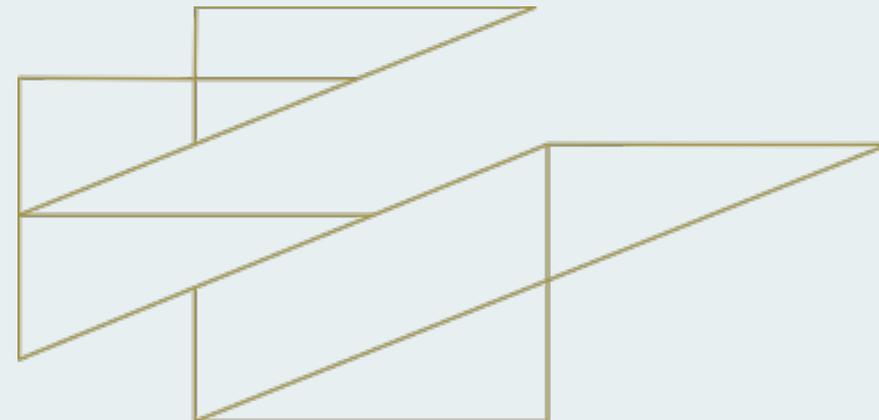
Java Strategy

Share

Share the strategy



- Work-internal blogs and documentation sites
- Group chat avenue for the internal Java Community
- Internal social media portals for Java developers to post and share
- Internal Q/A site for Java questions



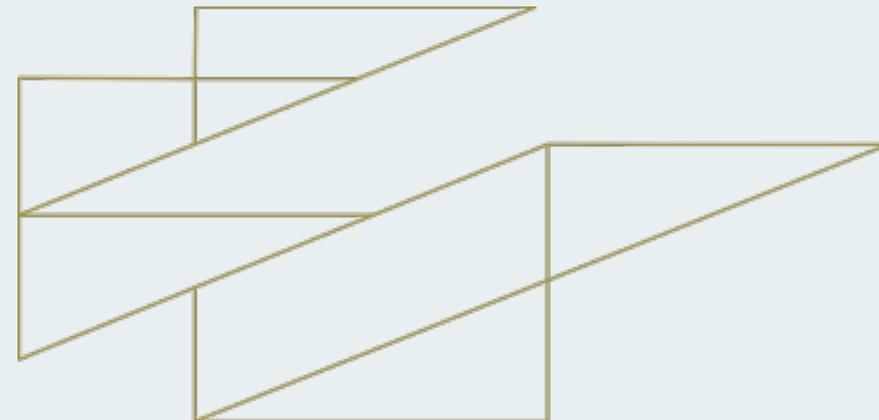
Java Strategy

Educate

Educate and explain the strategy

- Meetings where Java Strategy is shared
- Educating the developer community through code katas
- Presenting regularly on topics pertinent to Java
- Create internal Java Community Process

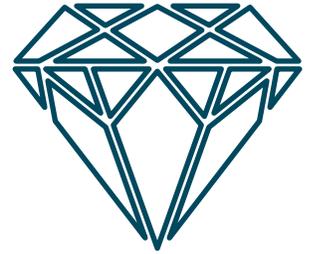




Java Strategy

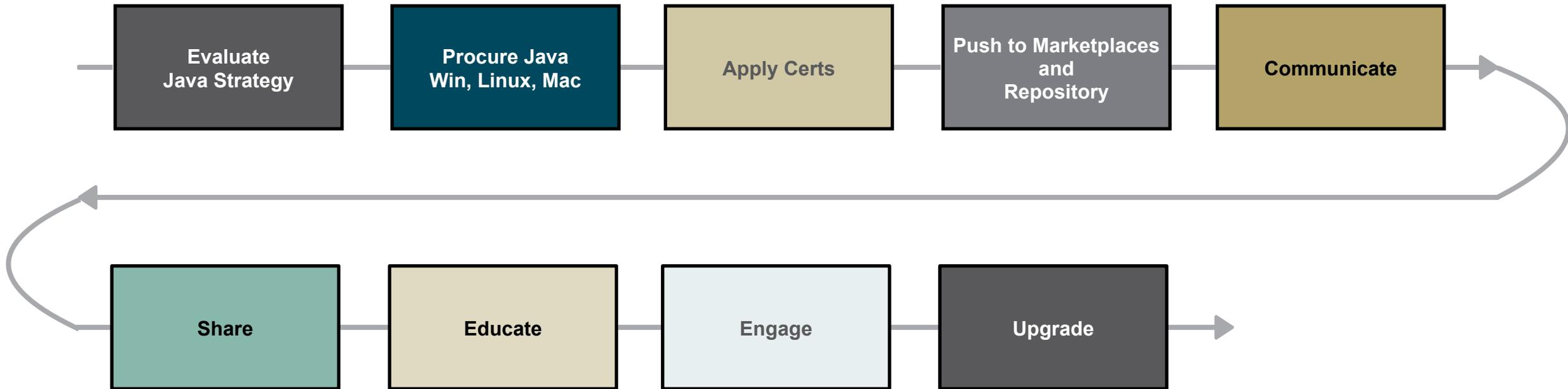
Engage

Document, ideate and engage



- Document upgrade paths for Java versions
- Create best practices as internally public documentation
- Have sessions with teams to share experiences and engage
- Provide and guide solutions for CI/CD and hosting environments

Summary



Links to Code Katas

- BNY Mellon Code Katas

<https://github.com/bnymellon/codekatas>

- Eclipse Collection Code Katas

<https://github.com/eclipse/eclipse-collections-kata>

