Deploying Jakarta EE Applications with Payara Platform and Payara Cloud

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Michael P. Redlich | @mpredli

GARDEN STATE JAVA USER GROUP NEW JERSEY

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Hi, I'm Mike 👋

Java Champion

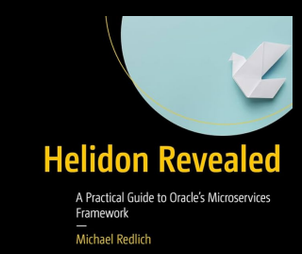
Co-Director

Lead Java Queue
News Editor

Contract Developer Advocate
Technical Writer

JAKARTA EE
Committer:
Jakarta Data
Jakarta NoSQL

Vice President



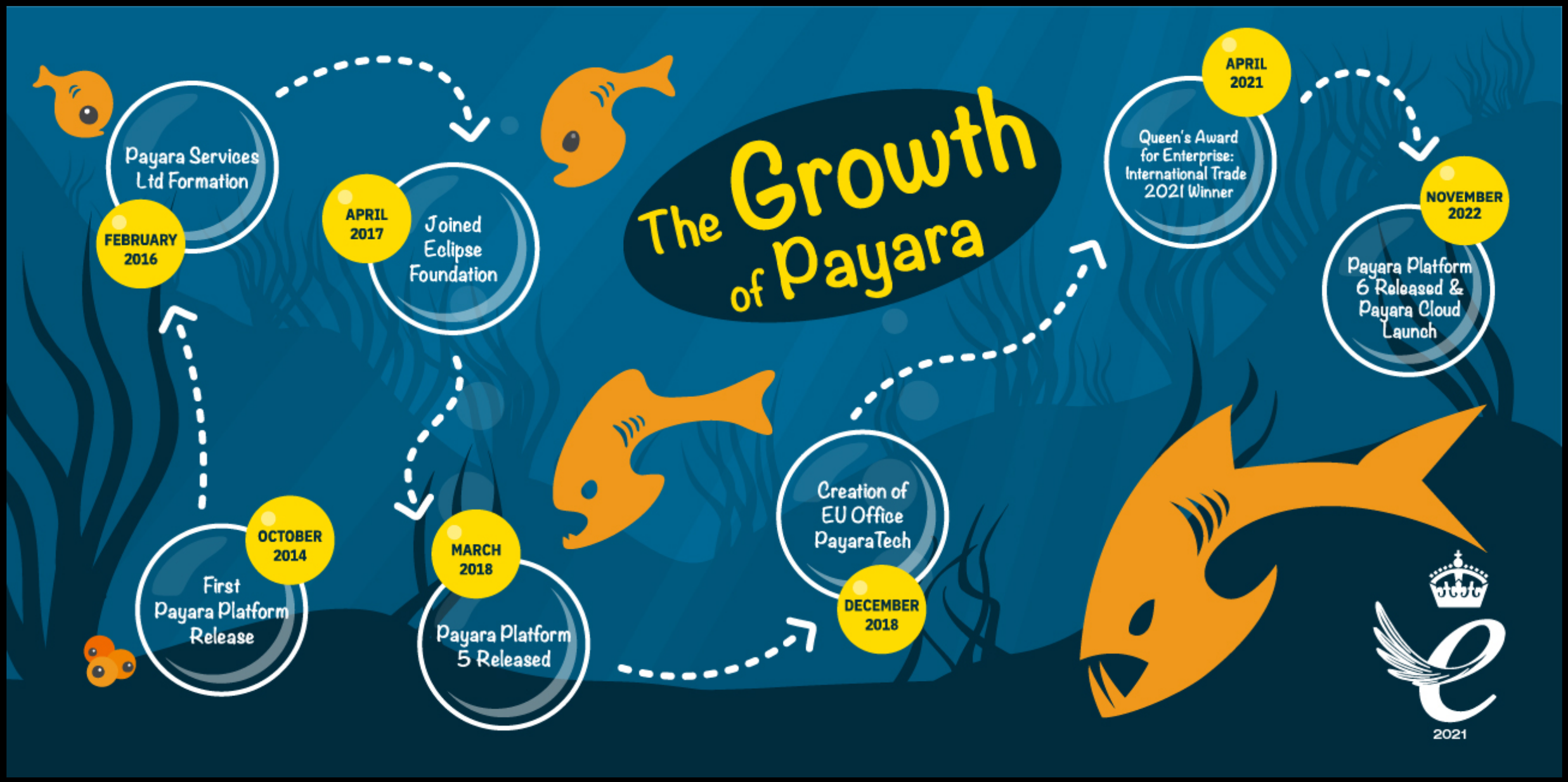
Author

Objectives

- History of Payara
- Payara Platform
  - Payara Server
  - Payara Micro
- Payara Cloud
- Payara Starter

Poll

- I'm a Payara Expert!
- I've deployed an application using Payara
- I'm familiar with Payara, but haven't used it
- I've heard some things about the Payara Platform
- What the heck is the Payara Platform?


The Growth of Payara
FEBRUARY 2016
Payara Services Ltd Formation
APRIL 2017
Joined Eclipse Foundation
OCTOBER 2014
First Payara Platform Release
MARCH 2018
Payara Platform 5 Released
DECEMBER 2018
Creation of EU Office PayaraTech
APRIL 2021
Queen's Award for Enterprise: International Trade 2021 Winner
NOVEMBER 2022
Payara Platform 6 Released & Payara Cloud Launch
2021

Winner of The Queens Award for Enterprise

- Payara is a proud 2021 **Queen's Award for Enterprise** recipient for International Trade.

- Overseas sales grew by 107% in the last three years and the percentage exported grew from 33% to 75%

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2021

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Payara Platform

- Payara Server
- Payara Micro

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SERVER

Payara Server (i)

- Fully-fledged application runtime
- Robust and full-featured
- Compatible implementation for Jakarta EE 10 and MicroProfile 6.0

Payara Server (ii)

- Introduced in October 2014
- Use Cases:
  - Enterprise applications
  - Highly scalable systems
  - Legacy application support
  - Comprehensive runtime and application health monitoring

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MICRO

Payara Micro (i)

- A agile, lightweight middleware platform
- *"A lighter, nimbler counterpart to Payara Server."*
  - Luqman Saeed
- Specifically tailored for microservices architectures and containerized environments

Payara Micro (ii)

- Bundled as an executable JAR
- Includes an API to access Payara Server internals

Payara Micro (iii)

- Introduced in late 2015
- Use Cases:
  - Microservices deployment
  - Containerized environments
  - Rapid development cycles

payara cloud

Payara Cloud is Here!

Free Trial

payara.cloud

Payara Cloud

- Next generation of fully-managed cloud native application runtime
- Offers a flexible and powerful way to easily run Jakarta EE applications on the cloud without Kubernetes
- Free 15-day trial

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PAYARA STARTER

Payara Starter (i)

- A source code generator to create new Payara Server or Payara Micro projects
- A quick and easy way to start with the Payara Platform
- Introduced in November 2023

Payara Starter (ii)

- `https://start.payara.fish/`
- Select your:
  - preferred JDK version
  - Jakarta EE profile
  - build tools
  - Docker support

DEMO

Highlighted Resources

- Automated Jakarta EE Cloud Deployments With GitHub Actions And Payara Cloud
- Customizing Payara Micro with Command-Line Options
- 5 Features You Didn't Know About Payara Micro

Want to Get Involved?

- Contribute to open source!

- Share
- Embrace
- Engage
- Develop

Tanja Obradovic
Jakarta EE Program Manager at Eclipse Foundation

- Share your own Jakarta EE experiences!

Acknowledgements

- Patrik Duditš
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- Luqman Saeed
- Dominika Tasarz-Sochacka
- Fabio Turizo

We're Hiring

Payara is always on the hunt for the best people to work with - Someone that makes a difference, cares for quality, and is really good at their job

Learn more:
https://payara.fish/careers

#hiring
payara

Contact Info

mike@redlich.net

@mpredli

redlich.net

redlich.net/portfolio

github.com/mpredli01

Thanks!

Backup

Michael Redlich

Jakarta EE 11: Going Beyond the Era of Java EE

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VIRTUAL PAYARA CONFERENCE

EMPOWERING ENTERPRISE INNOVATION WITH JAKARTA EE

Jakarta EE 11: Going Beyond the Era of Java EE

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MICHAEL REDLICH

Java Champion

JAKARTA EE