WIKIPEDIA

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Contents

Ortelius

Ortelius[1] is an Open Source Project that maps your microservice configurations with their relationships to the applications that use them.

Ortelius is a package that helps with continuous microservices management. Ortelius, named after Abraham Ortelius[2], the inventor of the first atlas, helps trace the connections between services to improve an ecosystem's visibility. To get an idea of how it behaves, consider an e-commerce store. To reach an evolvable microservices pipeline, each microservice should be independently deployable with its own workflow. For example, an e-commerce store may require a product microservice, payment microservice and an authentication microservice. These reusable components are independently deployable but rely upon one another to function as a whole. At a macro scale, an enterprise with thousands of inter-application dependencies would visually resemble a constellation of nodes. An extreme example of this may resemble the Netflix Death Star, a mass conglomeration of intersecting points. Ortelius grants transparency into an otherwise tangled mess as an "internal marketplace for microservices," said Ragan. For more information, see the comprehensive documentation at Ortelius' documentation (https://docs.ortelius.io/guides/).

What Ortelius does?

- Microservice Dependency Mapping[3]
- Microservice Catalog[4]
- Microservice Supply Chain with Versioning[5]

1. "Ortelius Open Source Project" (https://ortelius.io/). *ortelius.io*. Retrieved 2022-10-04.
2. "Abraham Ortelius" (https://en.wikipedia.org/w/index.php?title=Abraham_Ortelius&oldid=1114041041), *Wikipedia*, 2022-10-04, retrieved 2022-10-04
3. "Microservice Supply Chain Mapping" (https://ortelius.io/microservicemapping/). *ortelius.io*. Retrieved 2022-10-04.
4. "Microservice Catalog" (https://ortelius.io/catalog/). *ortelius.io*. Retrieved 2022-10-04.
5. "Microservice Versioning" (https://ortelius.io/versioning/). *ortelius.io*. Retrieved 2022-10-04.

Ortelius Mission

"To simplify the adoption of modern architecture through a world-class microservice (https://ortelius.io/catalog/) governance catalog driven by a supportive and diverse global open source community."

Ortelius Value Statements

- We want Members to learn and understand solutions around microservice use and their challenges through a diverse contributor base.
- We want our members to develop their careers, skills and gain community recognition for their work and expertise.
- We want our members to have the opportunity to share and reuse open source micro-services to further the adoption of a cloud native development.
- We want members to learn how to contribute to an open source community and become part of the broader conversation around cloud native architecture.

Ortelius Benefits

- Adds automated supply chain management of microservices and other shared components across application teams
- Tracks the 'blast radius' of a single shared component across all consuming applications that are using it.
- Tracks the logical applications and aggregates component SBOM and CVE data to the logical applicaiton level.
- Simplifies the path to adopting cloud native development practices without a major redesign of their CD pipeline.
- Performs container versioning and applicaiton pakcage versions.
- Serve as a central market place to share reusable components with their SBOM and CVE information.

Ortelius Development Goals for 2023

Goals for Q1 and Q2 of 2023

- Implementation of XRP Ledger to create immutable SBOMs.
- Improve data graphs and maps.
- Increase adoption of the catalog.

Code of Conduct

Contributor Covenant Code of Conduct (https://github.com/quassainraza/ortelius/blob/main/CODE_OF_C
ONDUCT.md)

Become a contributor

- Review the Ortelius Contributor Guide (https://docs.ortelius.io/guides/contributorguide/)
- Add yourself to the Ortelius Google Group (https://groups.google.com/access-error?continue
=https://groups.google.com/g/ortelius-dev)
- Join the Discord community channel (https://discord.gg/ZtXU74x)

CD Environment - Development Infrastructure and Productivity

Create a CD process for managing pull requests, builds, tests and releases. Contributors:

- Anand Bhagwat
- Steve Taylor
- Sanjay Sheel
- Sacha Wharton
- Sagar Utekar
- Nael Fridhi
- Sanchit Khurana
- Natch Khongpasuk
- Brad McCoy
- Zach Jones
- Aditi Agarwal
- Jesse Gonzalez
- Jimmy Malhan
- Arvind Singharpuria
- Interas LLC - Corporate Contributer

  - Ujwal Yelmareddy
- Lakshmi Viswanath
- Hamid Gholami
- Kingsathurthi
- Bassem Riahi
- Arnab Maity

CD Integrations

Create integrations with documentation and videos for the following CI/CD Solutions:

- Jenkins: 90% work completed
- Jenkins X
- Screwdriver
- Tekton (Tekton Catalog)
- Spinnaker
- Argo

Contributors:

- Steve Taylor
- Sacha Wharton
- Sagar Utekar
- Nael Fridhi
- Sanchit Khurana
- Karamjot Singh
- Sergio Canales
- Zach Jones
- Aditi Agarwal
- Jesse Gonzalez
- Lakshmi Viswanath
- Kingsathurthi
- Bassem Riahi
- Arnab Maity

Market Place and Domains

Enhance the current Domain structure to make it more like a Marketplace for sharing Microservices. Think API marketplace.

Contributors:

- Christopher Hicks
- Steve Taylor
- Ayesha Khaliq
- Nael Fridhi
- Karamjot Singh

UX and Testing

Review User Interface and make recommendations for improving with a focus on ease of use. Define test cases with automation.

Contributors:

- Tracy Ragan
- Parijat Kalita
- Ashutosh Srivastava

- Poovaraj Thangamariappan
- Yasaman Khazaie

Documentation

Review documentation and re-write or clarify complexities.

Contributors:

- Tracy Ragan
- Divya Mohan
- Mark Peters
- Arijeet Majumdar
- Pawel Kulecki
- Jayesh Srivastava

Architecture

Work to begin breaking down the monolithic into services. Starting with logging as a good first step. Integration with Istio with Routing. Solving onboarding efforts (AWS scraping for existing microservice customers)

Contributors:

- Christopher Hicks
- Steve Taylor
- Ayesha Khaliq
- Drishti Dhamejani
- Rahul Agrawal
- Sacha Wharton
- Sagar Utekar
- Nael Fridhi
- Sanchit Khurana
- Karamjot Singh
- Zach Jones
- Jesse Gonzalez
- Neil Chen
- Devendran Nehru
- Arvind Singharpuria
- Turker Aslan
- Leniuska Alvarado
- Ankur Kumar
- Lakshmi Viswanaths
- Bassem Riahi
- Paul Li
- Joseph Akayesi

- Christian De Leon

Development

Work on existing enhancements and bug fixes. Add them to the core Ortelius repository unless a doc change.

Contributors:

- Steve Taylor
- Drishti Dhamejani
- Melissa Albarella
- Sagar Utekar
- Nael Fridhi
- Sanchit Khurana
- Zach Jones
- Jesse Gonzalez
- Temitope Bimbo Babatola
- Munirat Sulaimon
- Neil Chen
- Atul Tiwari
- Devendran Nehru
- Utkarsh Kumar Sharma
- Avikam Jha
- Jayesh Srivastava
- Arvind Singharpuria
- Aman Saxena
- Ashutosh Srivastava
- Leniuska Alvarado
- Bassem Riahi
- Paul Li
- Joseph Akayesi
- Christian De Leon
- Akshat Jain

Product Management

- Website, branding, outreach
- Review messaging, update logo, work on blogs.
- Personas, Journey Maps, service maps, roadmaps, Value Canvas, Go-to-Market strategies, product metrics.
- What problem or opportunity is being explored?
- How is the solution being framed to tackle this?
- What is being measured to determine if this is successful?
- Who are the people that this solution serves?
- How are they being informed about it?

- How are they learning to actually use or benefit from it?
- How are they involved in collaborating on the solution with us?
- What is the experience like for new collaborators getting started?
- How does the solution fit with both the immediate and wider ecosystem?
- Are there any roadblocks that can be removed in how we operate?
- What additional resources could be made available? Where would those resources help most?
- Where is the documentation being maintained on the project?
- Do we understand accessibility requirements? Are we meeting them?

Contributors:

- Tracy Ragan
- Neetu Jain
- Divya Mohan
- Mark Peters
- Alok Tanna
- Arijeet Majumdar
- Tatiana Lazebnyk
- Turker Aslan

Project Management

Track progress, define process, work with Steve and Marky managing pull requests and releases dates.

Contributors:

- Tracy Ragan
- Neetu Jain

GitOps

Research, define and Automate GitOps with Ortelius

Contributors,

- Brad McCoy
- Arvind Singharpuria
- Amit Dsouza
- Ayesha Khaliq
- Saif Ul Islam
- Kingsathurthi
- Hamid Gholami
- Anuja Kumari
- Vrukshali Torawane
- Joseph Akayesi
- Rakesh Arumalla

- Arnab Maity

Installation

Browse through the Installation and Support Guide (https://docs.ortelius.io/guides/userguide/installation-and-support/) for detailed guidance on how to sign up for & set up Ortelius.

Support

- Issues (https://github.com/ortelius/ortelius/issues)