

SARDINA



Sardina FishOS

Cloud Platform for: Public Clouds | Private Clouds | Hosted/Managed Private Clouds

OpenStack | Kubernetes | Ceph

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SARDINA

Smart Cloud Platform

- OpenStack + Kubernetes + Ceph
- Zero Downtime Operation Assurance — industry-first
- Data Centers to the Edge

European Innovation

- European cloud platform ISV with presence in the UK, Germany and the Netherlands
- Open Infrastructure Foundation Corporate Sponsor

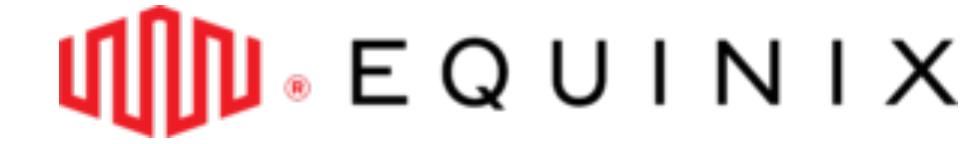
Young, Innovative

- Founded in 2014
- Day-1 Team: supercomputing, finance, defense, telco
- Today: 40 people, PhDs

Award Winning

- DCD Global Award
 - IDC HPC Innovation Award
 - DCS Award
 - EU H2020 winner
 - UK Data 50 Award
- and more

Partners



SARDINA

Product

- Foundational layer to manage and operate data centers and cloud infrastructure
- Core: cloud platform built on OpenStack, Kubernetes, Ceph

Product

- Offering: Software-only, or Integrated Solution (pre-integrated with hardware)
- No consultancy required
- Pay for software license only

Product

- Efficiently manage cloud infrastructure: AI, General Compute, Storage
- Productized for data centers, clouds: quick to production

Product

- “Bread-factory” business model: Customers build on Sardina’s engineering
- Competitive further product advancement

Proven

- VMAccel (AI, US): **50k cores**
- de.NBI (biotech, DE): **50k cores, xPB storage**
- German Human Genome Archive: **xPB storage**
- CyberValley (AI, DE): **20k cores**

Proven

- GRASS-MERKUR (AI/insurance, DE): **5 out of 6** Hannover **insurance** firms,
- Datacomm (government, ID): **4 data centers** in Jakarta
- Major data centers (DE, ID, IS)

SARDINA

Efficiency & Reliability

- Award-winning: Up to **80% energy savings** on VMs and Kubernetes workloads
- High uptime with ML-powered Health Manager

Time is Money: Rapid time to Production

- Software-only case: **2 weeks** from zero to Production
- Integrated Solution case: system comes pre-deployed

Competitive Business Model

- No charge for advice
- Option for revenue-based model: We grow with you
- Find a better deal elsewhere? We will better it!

Validated on Latest Generation Technology

- Intel: Gaudi, FPGA, CPUs (incl 8xxx)
- NVIDIA: GPUs, DPUs (incl BlueField3)
- AMD GPUs, CPUs (incl 9xxx)

Competitive Business Model

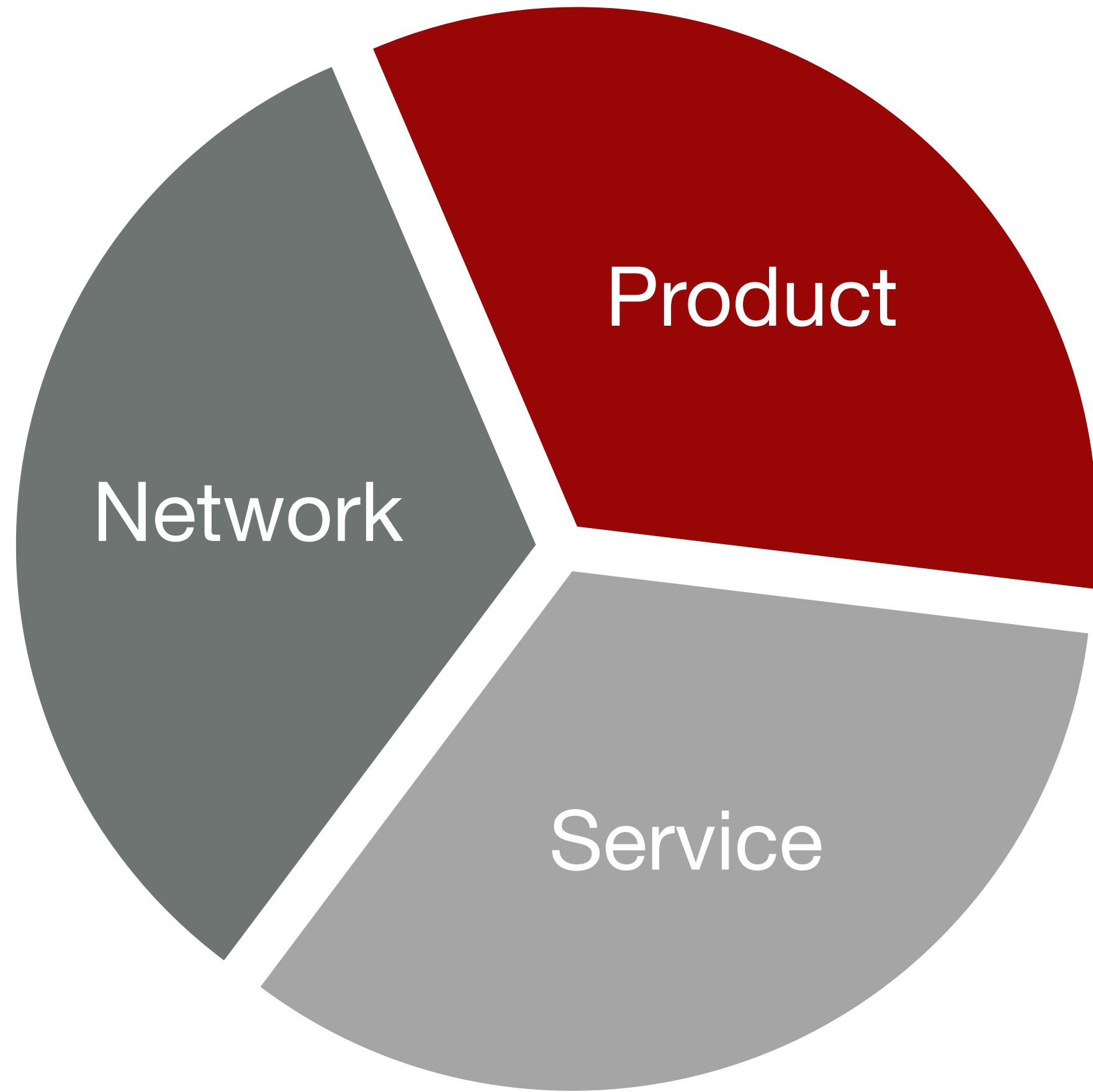
- Highly competitive price, per core per year, flexible payment frequency options
- No charge for GPUs
- No charge for disks quantities and types

Comprehensive Support

- 9x5 or 24x7 support
- Unlimited tickets
- Remote Hands-on
- Global Operational Services partner network

What does Sardina offer?

FishOS: The offering



FishOS as a Product

- Cloud management software
- OpenStack native components and components developed by Sardina team
- Pre-integrated solutions Kubernetes and Ceph, but with free choice of other relevant technology according to the customer request

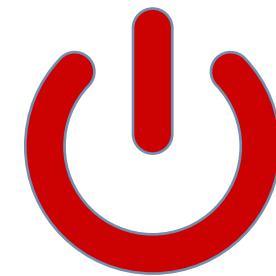
FishOS as a Service

- "White glove" onboarding to the system till the confidence of up and running system
- 24x7 support of troubleshooting and assistance
- Review customer's needs and implementation of the customer's requirements

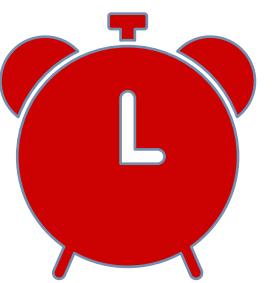
FishOS as a Networking

- Strong and fair partnership

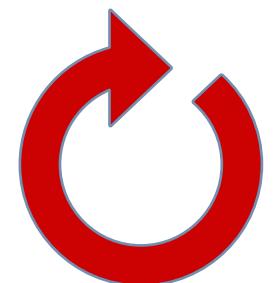
FishOS: Unique benefits



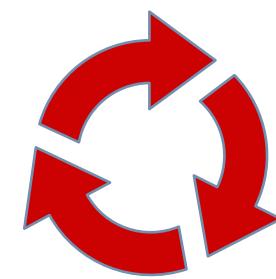
Rapid time go-to-market



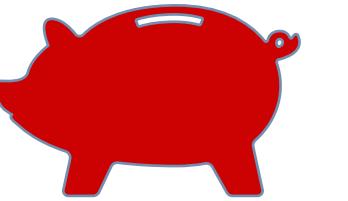
Rapidly deployment process



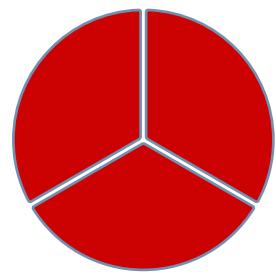
Regular solution upgrade and product oriented policy



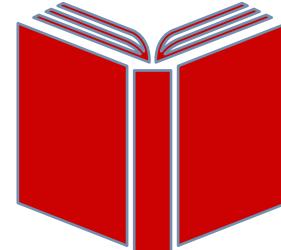
Ensured continuity in service delivery



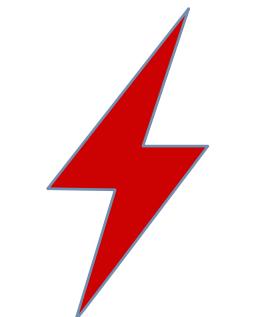
Unmatched reduction in TCO



The whole solution without piecemeal licensing



Low knowledge barrier

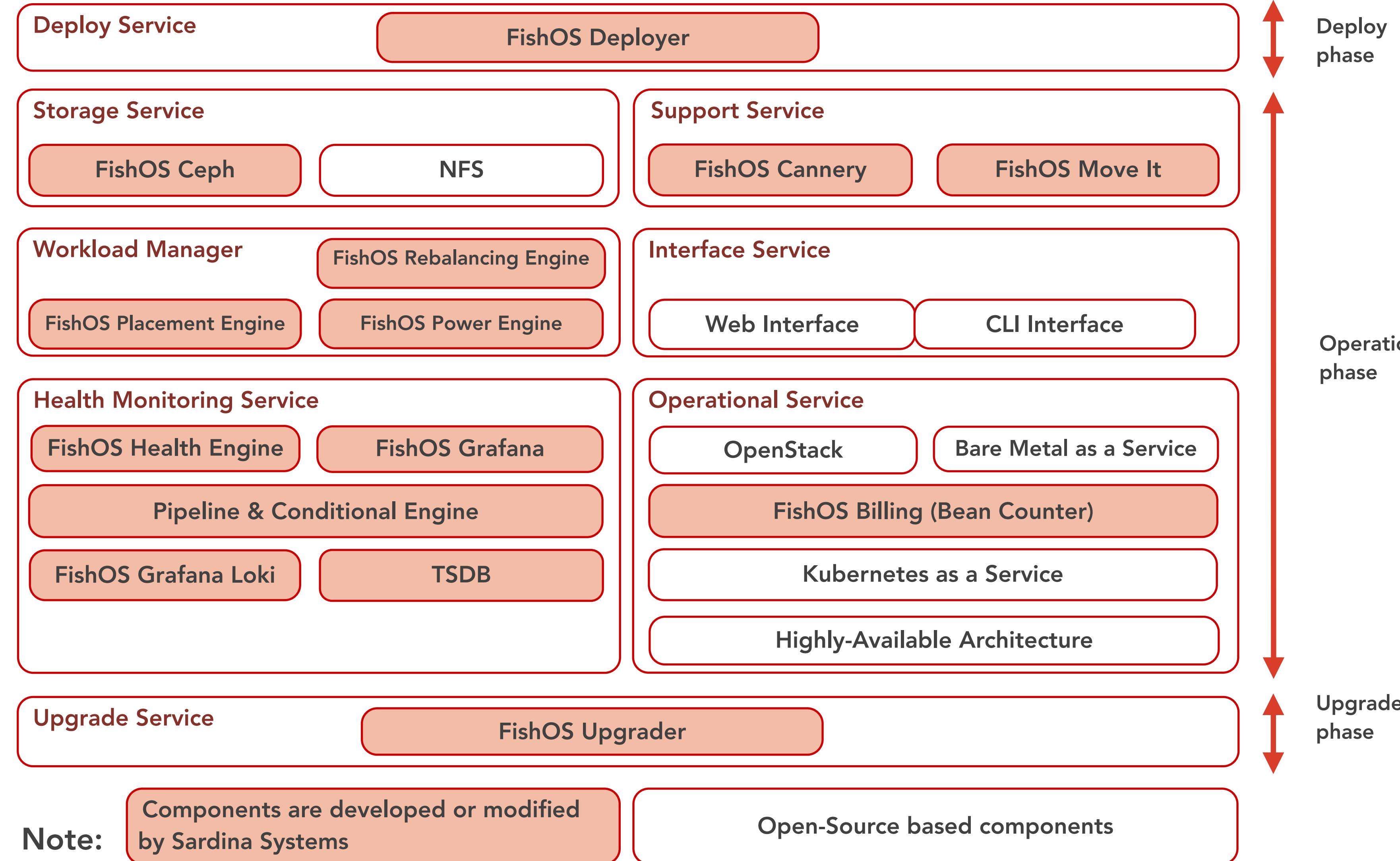


Zero-downtime operations



No hidden additional payments

FishOS: Solution structure



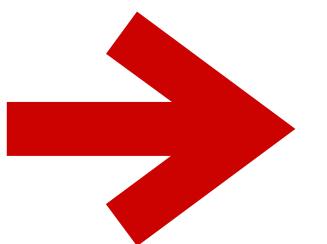
Every cloud infrastructure lifecycle goes through 3 phases, which are: deployment, operation and upgrade.

FishOS as a product is an OpenStack, Kubernetes, and Ceph based infrastructure with the set of supporting tools, that addresses all three lifecycle phases.

FishOS: Unique features

Deployment phase

FishOS Deployer



Fast, flexible, lightweight deployer
Zero-to-full-system-operation within 30 min

Operation phase

Workload manager



Smart resource management to automatically right-allocate resources for workloads across the whole system

Health monitoring



Predictive and preemptive fault management of the cloud system to increase overall system uptime

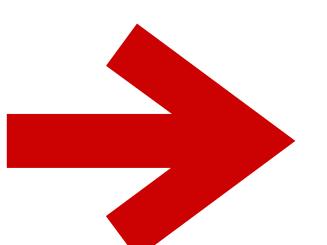
Billing



Flexible and configurable usage accounting and build report generation

Upgrade phase

FishOS Upgrader



Automation for release upgrades ensuring Zero-Downtime throughout the whole upgrade process

FishOS: Comprehensive Services

Pre-deployment process

- Analysis of current customer system via ERD
- Customer access to the support system
- Remote access to the customer system
- Advising for installed base operational system

After-deployment process

- Daily/weekly call with customer team during onboarding
- Troubleshooting
- Customer feedback process
- Upgrade after each new OpenStack release

Hardware advising & Integrated Solution solution

- Advising in relation to recommended hardware specification based on existing hardware or involvement partner hardware vendors for purchase
- Integrated solution: full package of service covering supplying deployment software with preferable hardware

FishOS: Comprehensive Support

- "White-glove" onboarding to the system
- Simple access to the Service Desk to engage FishOS engineers with mail notifications
- Unlimited ticket support regardless to Support level
- Possibility to provide 24x7 support
- Uniform language for support, troubleshooting and communications
- Direct communication with technical team, including senior persons

Create Task

Required

Configure Form ▾

Title

Assigned To Type a username...

Status

Priority

Description

Visible To Space S1: Default Space

Editable By Custom Policy

Tags

Subscribers

02:06

Natalia Kobzarenko [Maniphest] [Created] [T1010](#) Test ticket
To: Tasha Kobzarenko

nkobzarenko created this task.

TASK DESCRIPTION
This ticket was created as a test one for marketing brochure

TASK DETAIL
<https://support.sardinasystems.com/T1010>

EMAIL PREFERENCES
<https://support.sardinasystems.com/settings/panel/emailpreferences/>

View Task

Why build cloud with FishOS

- **Sovereignty and data security:** defined by the customer location, specified roles and access to the system, only authorized access, certification of the protection level
- **Process automation and monitoring:** wide range of operation tools for easy configuration, health check of the system; predictive analytics
- **Cost efficiency:** clear pricing policy based on physical cores, cost forecasting in case of budget limitation
- **Comprehensive support:** unlimited amount of tickets and rapid reaction on issues regardless to support level

Why build cloud with FishOS

- **Effortless and highly scalable:** 2 weeks to launch, clear migration without data and workload loss, simply scalable system and business model
- **No interruption:** zero downtime upgrade process, built for high-availability to deal with wide range of loads and failures
- **System management:** detailed monitoring, fast scanning of the system status, checkpointing, load balancing, redundancy
- **System comprehension:** white-glove onboarding, customer-oriented product configuration, direct communication with all-range technical team, round-the-clock troubleshooting

Is there something that we missed?

We will work collaboratively with you

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Hyper-Efficient, Scalable, Reliable, Optimized Cloud