

PROTECT YOUR HIGH SCORE!

NetApp Astra - Application management and
protection



WHO AM I?

Daniel Löwgren (dlowgren@netapp.com)
Solutions Engineer / Certified fishing addict

- 12 years with NetApp in various specialist roles
- Current focus area is our solutions for Kubernetes and AI/Analytics
- If I'm OOO I'm very likely 'gone fishing'



Topics

- Hello and Welcome
- Who and what is a NetApp
- NetApp Astra + Demo
- The End

NETAPP

Who are we and what do we do?

Join our Discord: <https://discord.gg/netapp>

NetApp is the intelligent data infrastructure company

Unified Data Storage

Single storage OS without silos

Power any data type, workload, and application



Natively embedded in the world's largest clouds

Manage data as a first-party service in the public cloud



Unified control

Use a single NetApp management console and/or each public cloud console



Integrated Data Services

Built-in security & protection

Backup data while detecting and thwarting threats



Anti-Ransomware Protection

Policy-based data governance

Classify your data for greater compliance and integrity



Cloud Data Sense

Comprehensive sustainability

Energy-saving storage, resource optimization, and visibility into your efficiency



CloudOps Solutions

Infrastructure optimization

AI-powered optimization, on-premises and in the cloud



Operations automation

Intelligent automation to boost productivity



Build and scale modern apps

Make it easier to access your most valuable data



30 YEARS

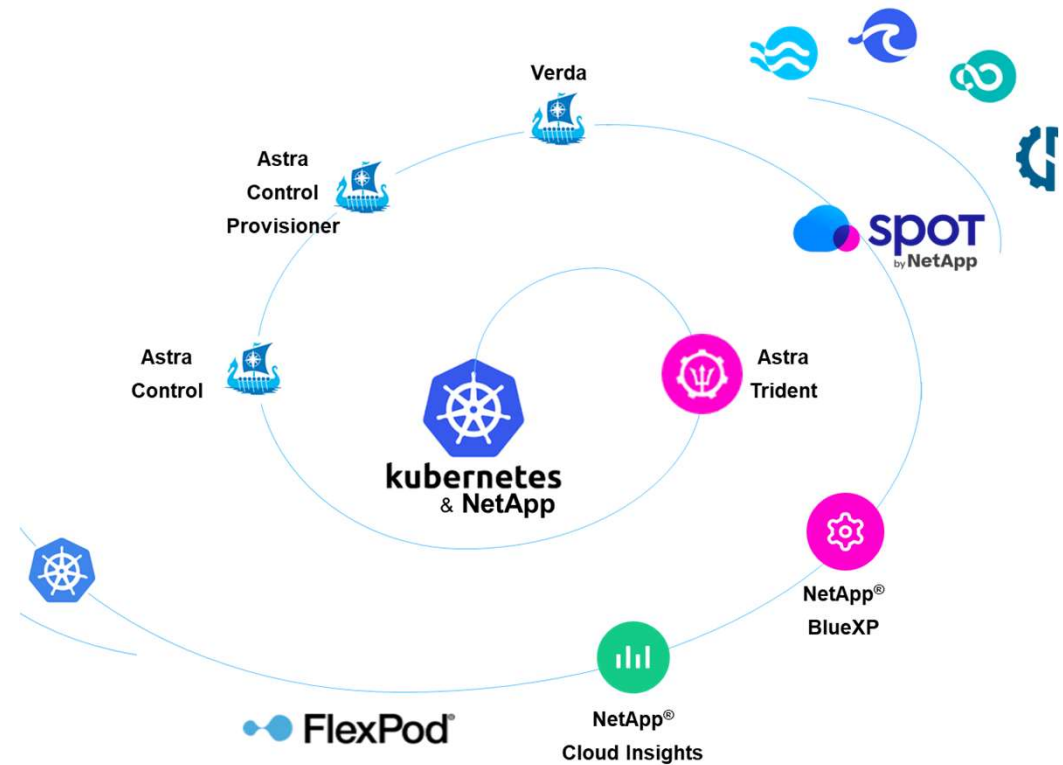
OF MANAGING YOUR DATA

Kubernetes & NetApp

Joined CNCF in 2015 as Gold member, Platinum from 2019

A great set of solutions to answer the following challenges:

- Data persistence
- Data Protection
- Application management
- Operations
- Optimization & FinOps
- Monitoring & Mapping
- Troubleshooting
- Validated architectures (HW/SW)



NETAPP ASTRA

What is it and what does it do?



NetApp Astra

is a portfolio of products that integrate into Kubernetes to provide the best solution for managing and protecting applications and their data.



TRIDENT



Astra Control

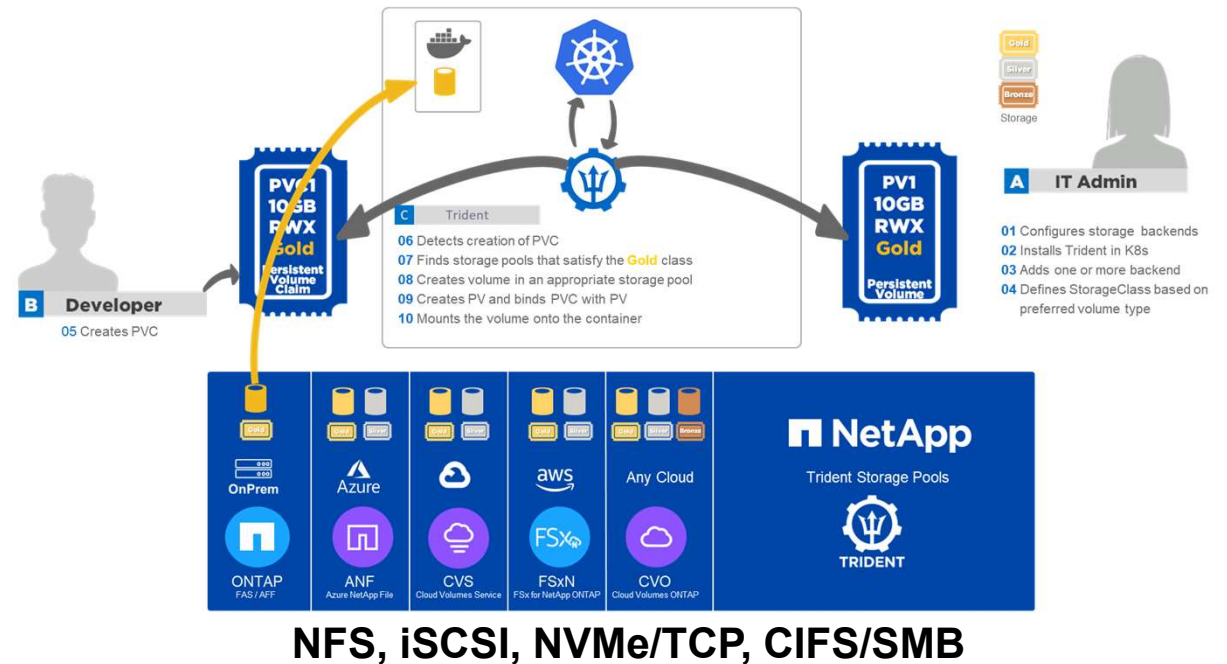
What makes the magic happen?

Astra products

Astra 'Trident'



- CSI Storage orchestrator
- 1st release in 2015 ('nDVP')
- End-user access to advanced data management
- Resource consumption control
- Free and Open Source *with Enterprise Support & Dev*
- NetApp cross-platform support and operations (ONTAP OS)



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Astra Control Center

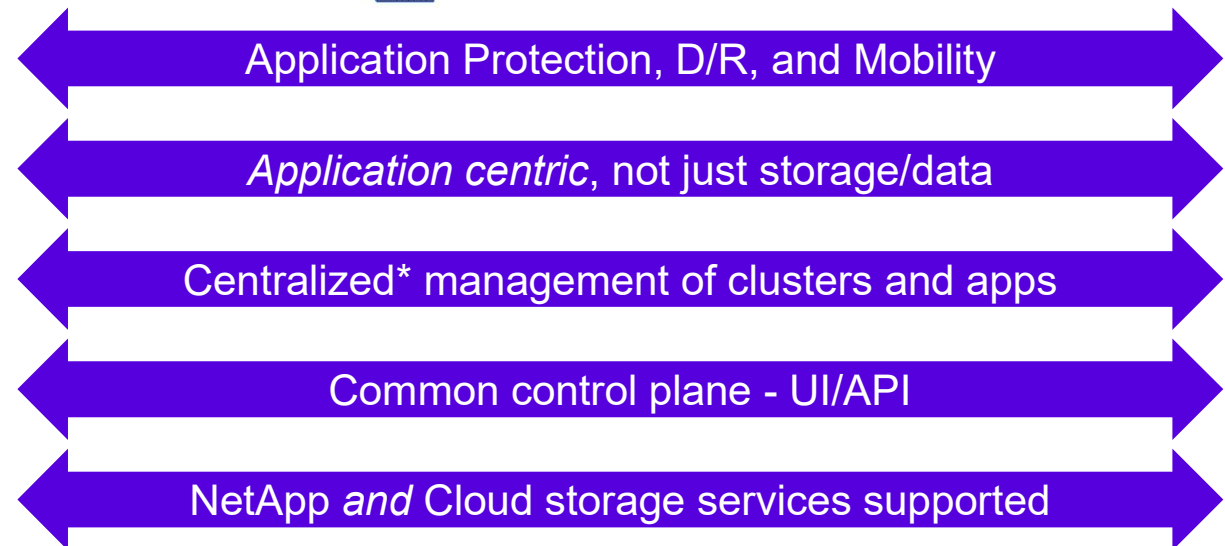


- Self managed



Astra Control Service


- Managed SaaS













What makes the magic happen?

Requirements/Supported environments

On-Prem storage back-ends

- NetApp  
 - ONTAP (Appliance)
 - OTS (SDS on 3rd party infrastructure)
- 3rd Party 
 - Longhorn

Cloud storage back-ends

- NetApp  
 - CVO (  
- Azure
 - ANF (1P)  
 - AD 
- AWS
 - FSxN (1P)  
 - EBS 
- Google Cloud
 - GCNV (1P)  
 - GPD 

K8 distributions*

- Kubernetes 
- Rancher 
- OCP  OPENSIFT
- VMware Tanzu 
- Anthos 
- GKE 
- AKS 
- EKS 

DEMO – ASTRA CONTROL

You want to know and see more, maybe take it for a spin on your own?
Please reach out to NetApp and we will help make it happen!



NetApp offerings and services

- Cloud Services
 - <https://www.netapp.com/cloud-services/>
- All the Ops!
 - <https://www.netapp.com/devops-solutions/>
- AI and Analytics
 - <https://www.netapp.com/artificial-intelligence/>
- Cyber Resilience, governance, compliance
 - <https://www.netapp.com/cyber-resilience/>

THANK YOU

FOR TAKING THE TIME TODAY, I REALLY APPRECIATE IT!

COME HAVE A CHAT AT THE STAND IF YOU WANT TO KNOW MORE.

