

Increase Efficiency of Solaris Operations & SPARC Life Cycle

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Oracle ACE „Solaris“

Agenda

- About JomaSoft
- VDCF – Virtual Datacenter Cloud Framework
- Efficient SPARC Life Cycle

About JomaSoft

- Engineering company founded in July 2000
- specialized in **Solaris** and software development, operations and consulting
- **SPARC** Full Service: Sales, Implementation, Migration/Replacement
- Product **VDCF** (Virtual Datacenter Cloud Framework) Installation, Management, Operations, Monitoring, Security and DR for Solaris 10/11, Virtualize using LDoms and Solaris Zones



Specialized
Oracle Solaris 11



Specialized
SPARC T-Series Servers



NOTENSTEIN
PRIVATBANK



Marcel Hofstetter

Working in IT since 25+ years
Solaris since 20 years
CEO at JomaSoft GmbH since 18 years

International Speaker:
Oracle OpenWorld, DOAG, UKOUG, SOUG, AOUG



 **Oracle ACE „Solaris“**

SOUG (Swiss Oracle User Group) – Speaker of the Year 2016

Hobbies: Family, Travel, Wine & Dine, Movies

 <https://www.linkedin.com/in/marcelhofstetter>

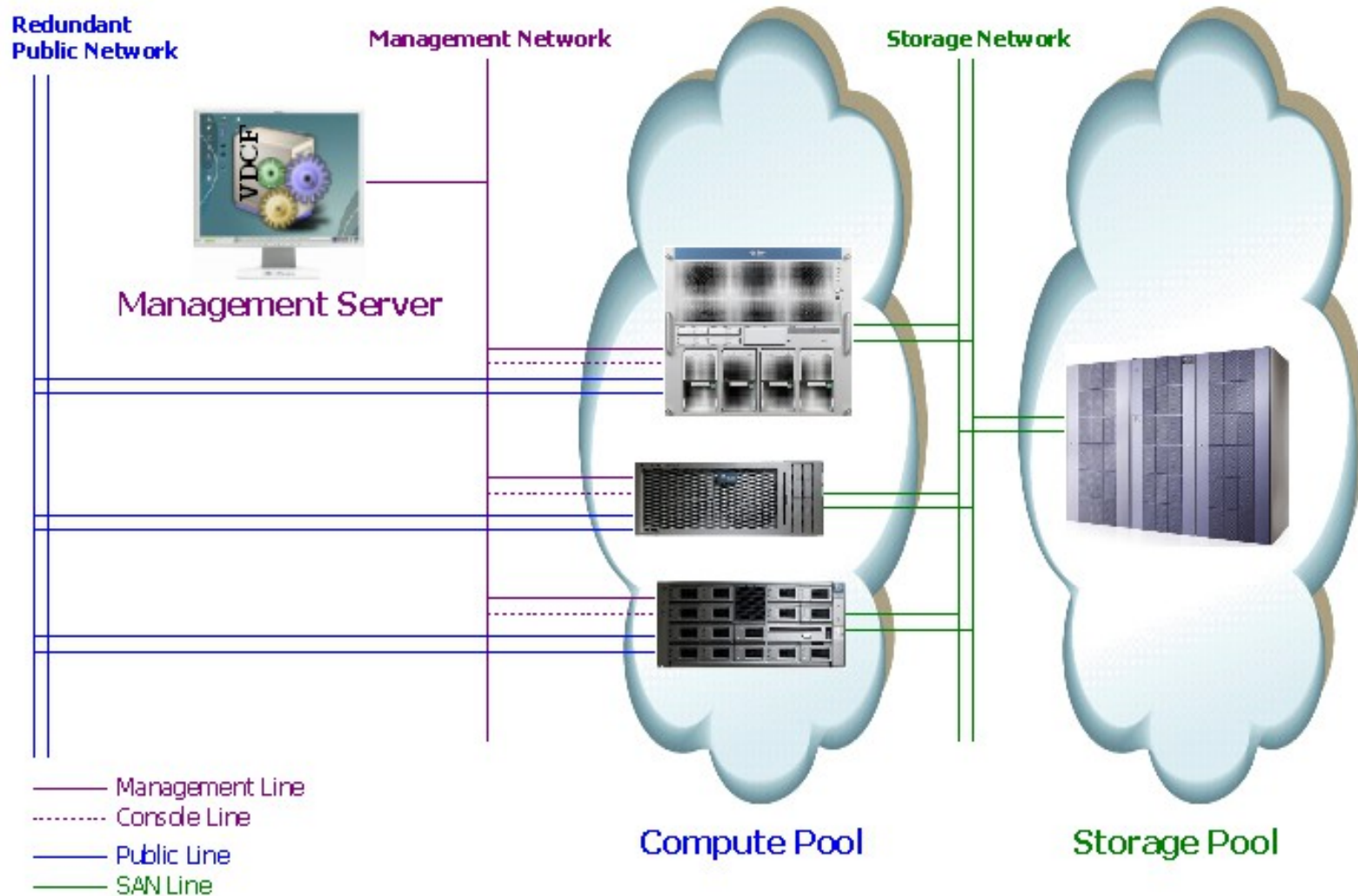
 https://twitter.com/marcel_jomasoft

 <https://jomasoftmarcel.blogspot.ch>

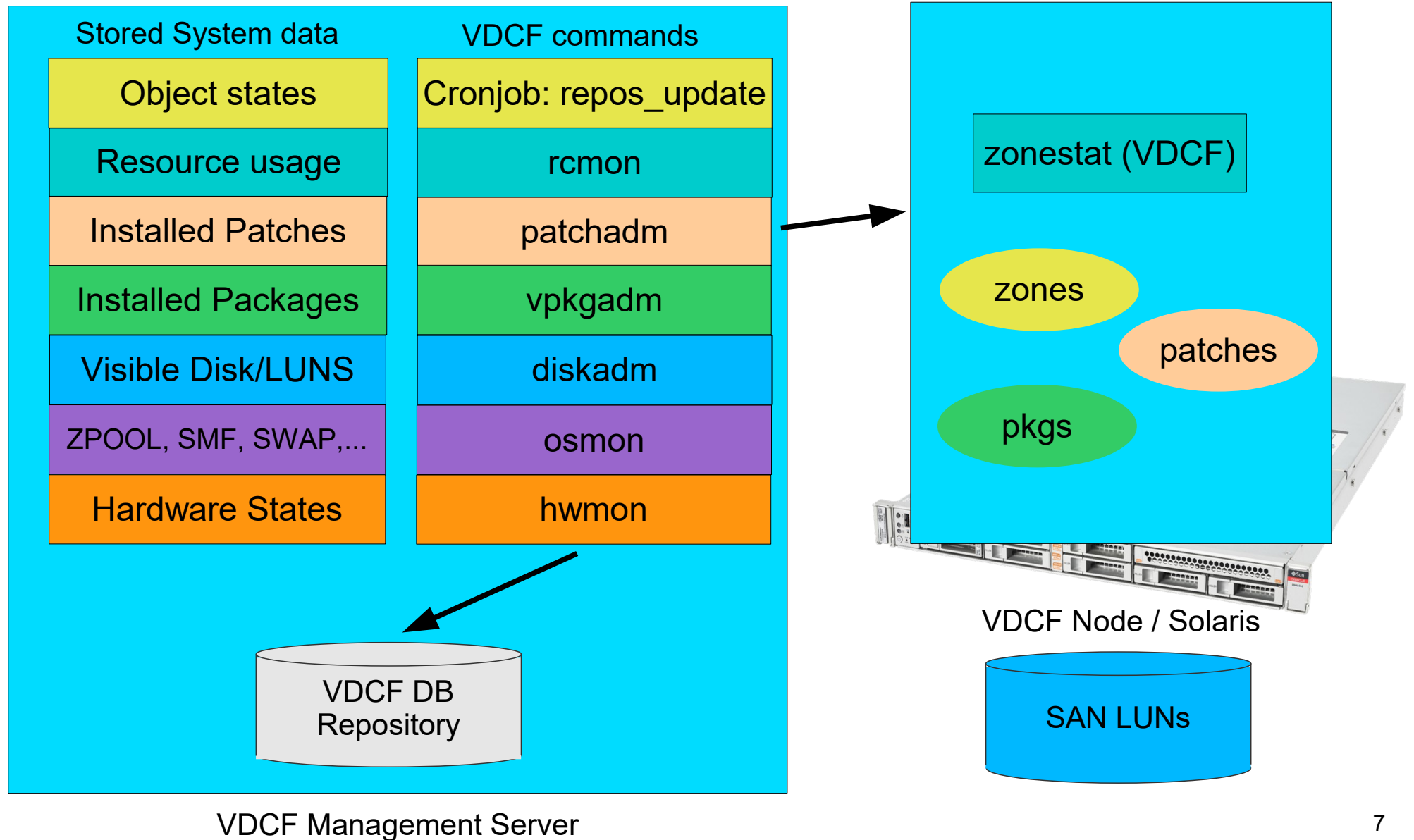
VDCF – Virtual Datacenter Cloud Framework

- Management Tool for BareMetal, Zones and LDOMs
Installation, Operation, Migration,
Monitoring, Security and Failover/DR
- Supports Solaris 10 + 11 on SPARC/x86
- In productive use since 2006
- Dynamic Virtualization
Live / Cold Migration and Failover
- Resource Configuration and Monitoring
- Agility for your Enterprise Private Cloud
- Implemented by Admins for Admins

Enterprise Private Cloud Architecture



VDCF – Realtime data



VDCF – Security Compliance Assessment

- Fully automated Compliance check over the Datacenter
- Compliance Report

[home](#)
[logout](#)

Compliance Report

 Show entries

Server	Type	Benchmark	Score	Timestamp	# Passed	# Failed	# Error	# High	# Medium	# Low	# In
v0123	vServer	default	77.938248	2017-09-11T16.35.39	140	4	0	0	4	0	0
v0143	vServer	default	77.938248	2017-09-11T16.37.19	140	4	0	0	4	0	0
s0024	Node	cdom	87.619041	2017-09-11T16.02.22	140	3	0	1	2	0	0
g0062	Node	baseline	89.855064	2017-09-11T16.33.55	134	6	0	1	5	0	0
s0003	Node	cdom	95.238091	2017-09-11T14.58.15	142	1	0	1	0	0	0

Showing 1 to 5 of 5 entries

VDCF - main benefits

- ✓ easy to use
- ✓ standardize
- ✓ save time
- ✓ deploy faster
- ✓ avoid errors

- **Simplicity**

Deploy and manage Virtual Solaris Environments without a deep Solaris knowledge using only a handful of intuitive VDCF commands

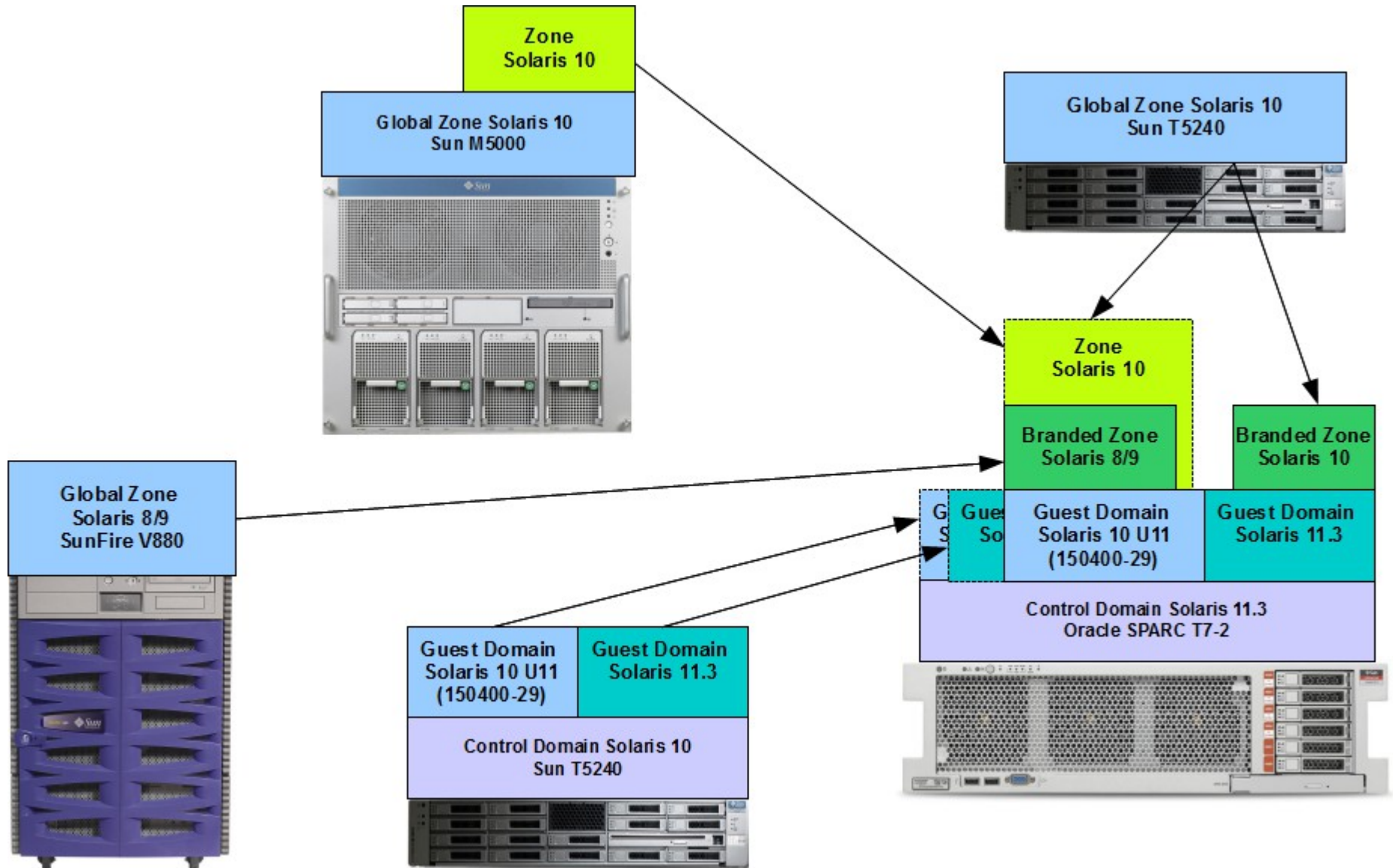
- **Standardization**

Zones and LDoms are deployed using supported Solaris technologies, managed in a standard way and able to be deployed and available for use in minutes rather than hours.

- **Availability / Recovery**

VDCF allows manual or automatic control of server migration or fail-over leading to improved options in availability, disaster recovery and performance.

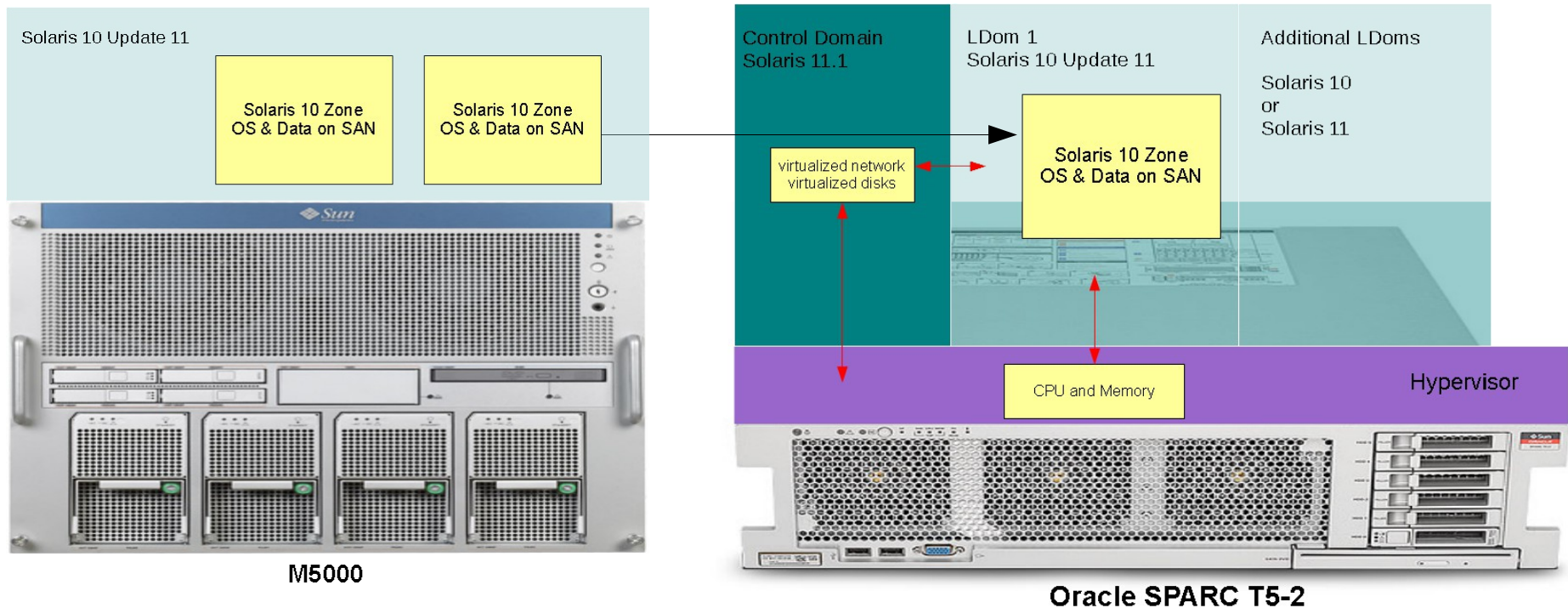
SPARC Server Life Cycle



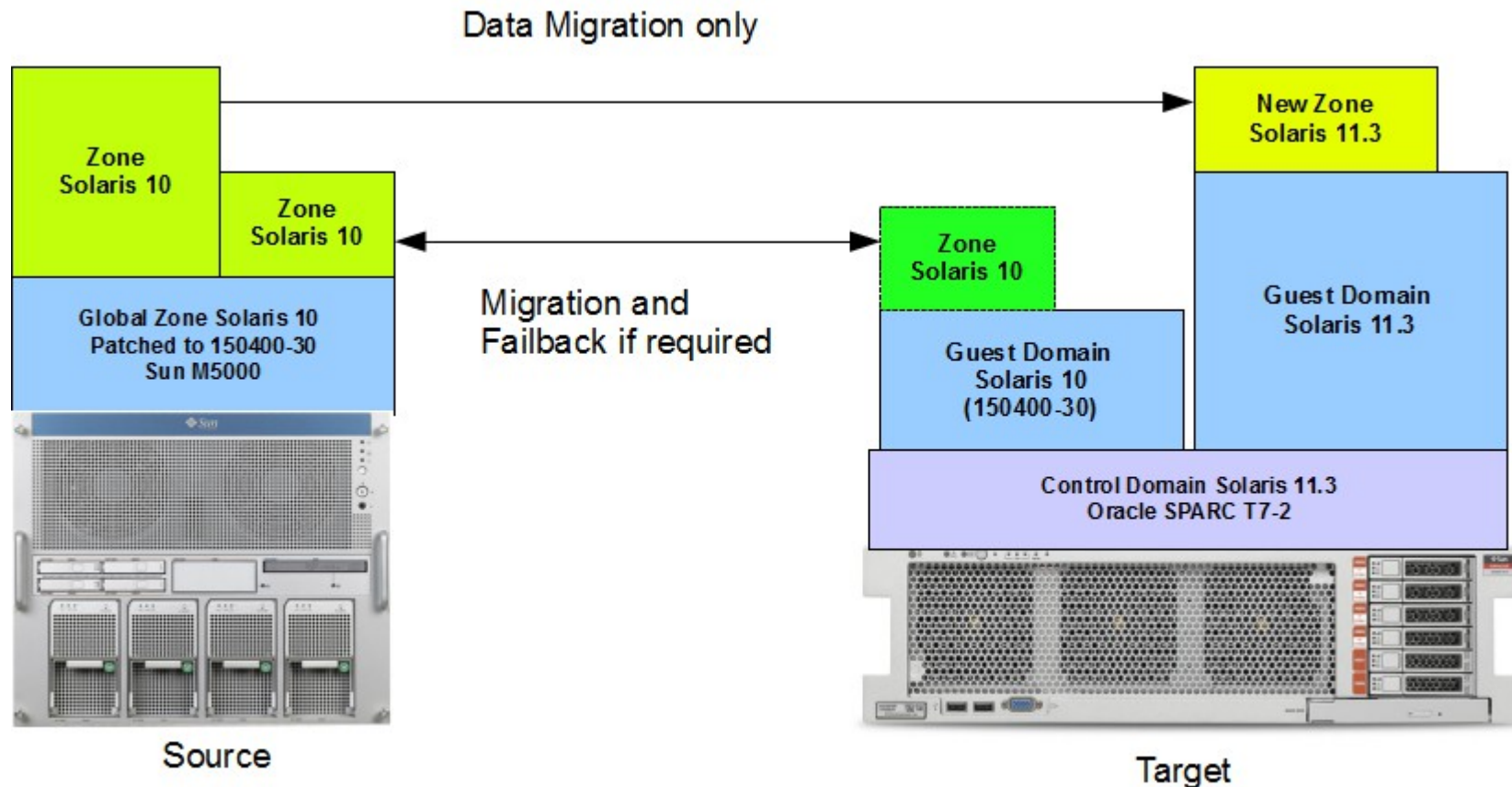
Successful T5 Migration Project



Full process is supported by VDCF
 Install new hardware and setup of LDom virtualization
 Migrate existing environments to the new hardware

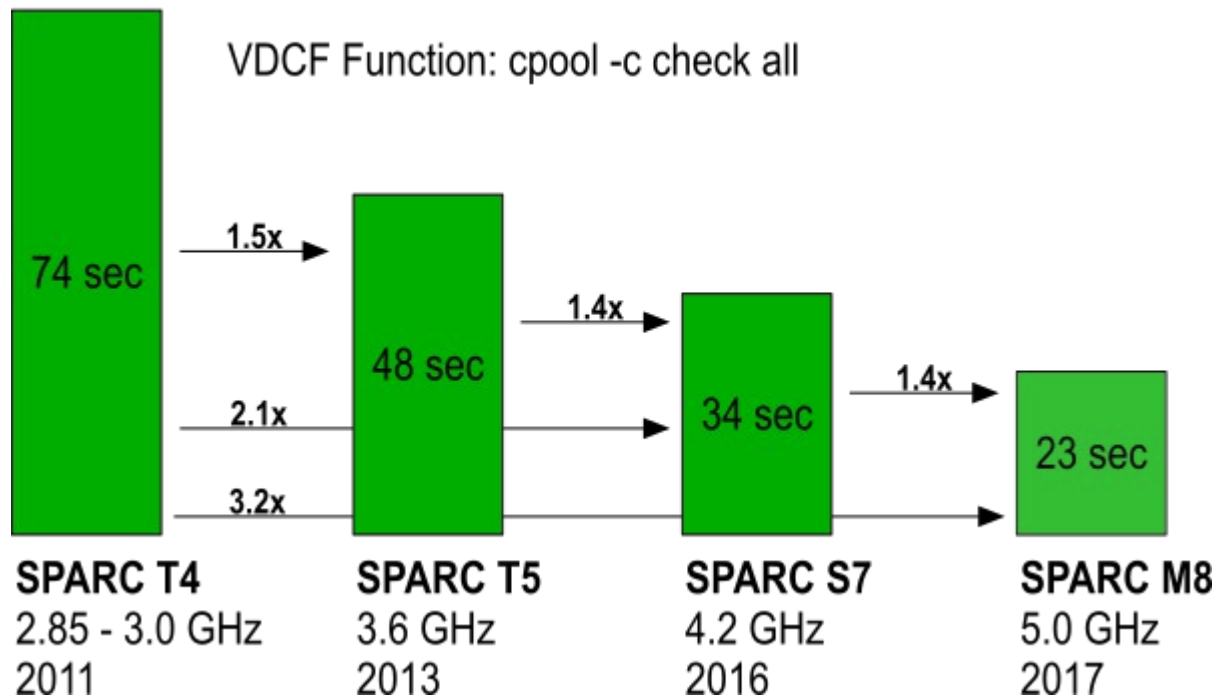


Replace Sun M5000 with SPARC T7-2



SPARC – Single Thread Performance

Single Thread Performance Compare (execution time in seconds)



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Questions?

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VDCF – Online Ressources

- **Produkt Documentation Online**

Complete Documentation and Videos on Webpage available

- **Free Edition**

No-Cost Test Version with limited number of managable Servers.

- **Test using combined POC**

Install and test together with JomaSoft on-site in your Test environment.

- **Webpage**

<https://www.jomasoft.ch/vdcf>

VDCF Customer Survey

Interpretation: 1 is worst, 6 is best

grade 1 grade 2 grade 3 grade 4 grade 5 grade 6

