



 safespring

GÉANT OCRE

Framework contract

NAME

Fredric Wallsten

EMAIL

fredric.wallsten@safespring.com

DATE

2021-03-10



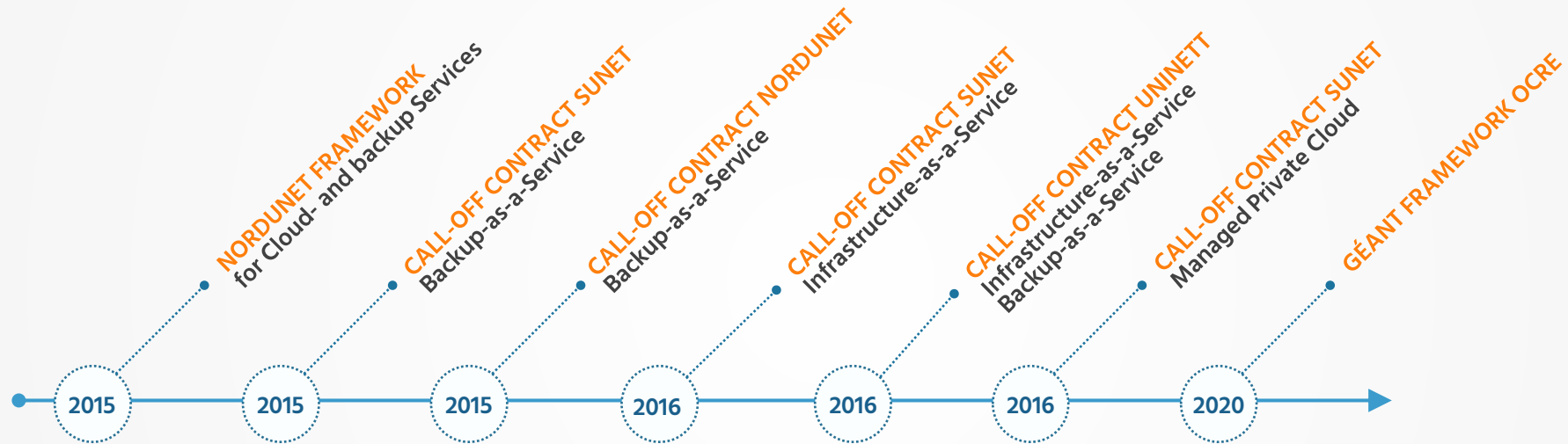


Introduction to Safespring

- At Safespring we have a long history of delivering cloud infrastructure services to the research and education market. Our platform enables open standards, GDPR compliance and digital sovereignty
- Safespring is founded in 2014. Services are based on open source framework like OpenStack for virtual Compute and Ceph for Storage services
- Staff from the NREN sector
- Directly connected to the R&E Networks
- SSO with (Dataporten & Swamid) eduGAIN
- (Soon to be) member of GAIA-X



Safespring engagement in NREN community since 2015





References in the NREN community

Frame work agreement partners



Universities and higher education



Research



Public sector



Subcontractors





COMPUTE

Compute

Compute W/
NVME disk

SSD
Storage

Compute
W/ GPU

NETWORK SERVICES

Public IP

Load balancer

Saferoute

Reverse
DNS

STORAGE

S3 Object
Storage

RADOS
Integration

PLATFORM SERVICES

Compliant
Kubernetes

PostgreSQL

Elasticsearch

Reverse
DNS names

BACKUP

BaaS

VM Snapshot

LICENSES

MS Windows
Server

Nextcloud

SUSE

Cluster control

PRIVATE CLOUD

Snapshot
backup of VM

Cloud Images

S3 object
Storage

Compute
W/ GPU

Compute

Elastic SSD
Storage



Customer Experience



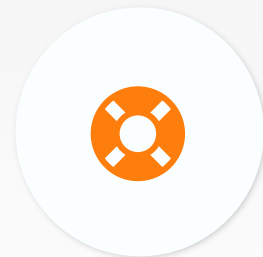
Onboarding help

- Free Cloud Architect
- Consulting services



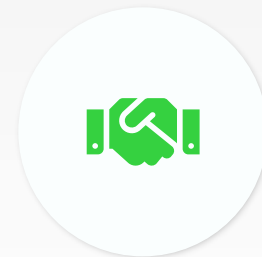
Guides

- Online doc
- Video tutorials



Support channels

- Slack
- E-mail
- Phone



SLA

- 99.9 % SLA
- 24 x 7 x 365



Safespring is committed

to support Open standards,
data privacy and data sovereignty

- Supporter of open source technology. Founding member of Open infrastructure foundation and member of Nordix
- Safespring services are based on open source and offers standardized interface e.g OpenStack API for Compute services and S3 compatible API for Storage services
- Supporter of european federated cloud services and (soon to be) member of Gaia-X
- Technical implementation to support privacy and GDPR
- EU compliant services



Contact details

ocre@safespring.com

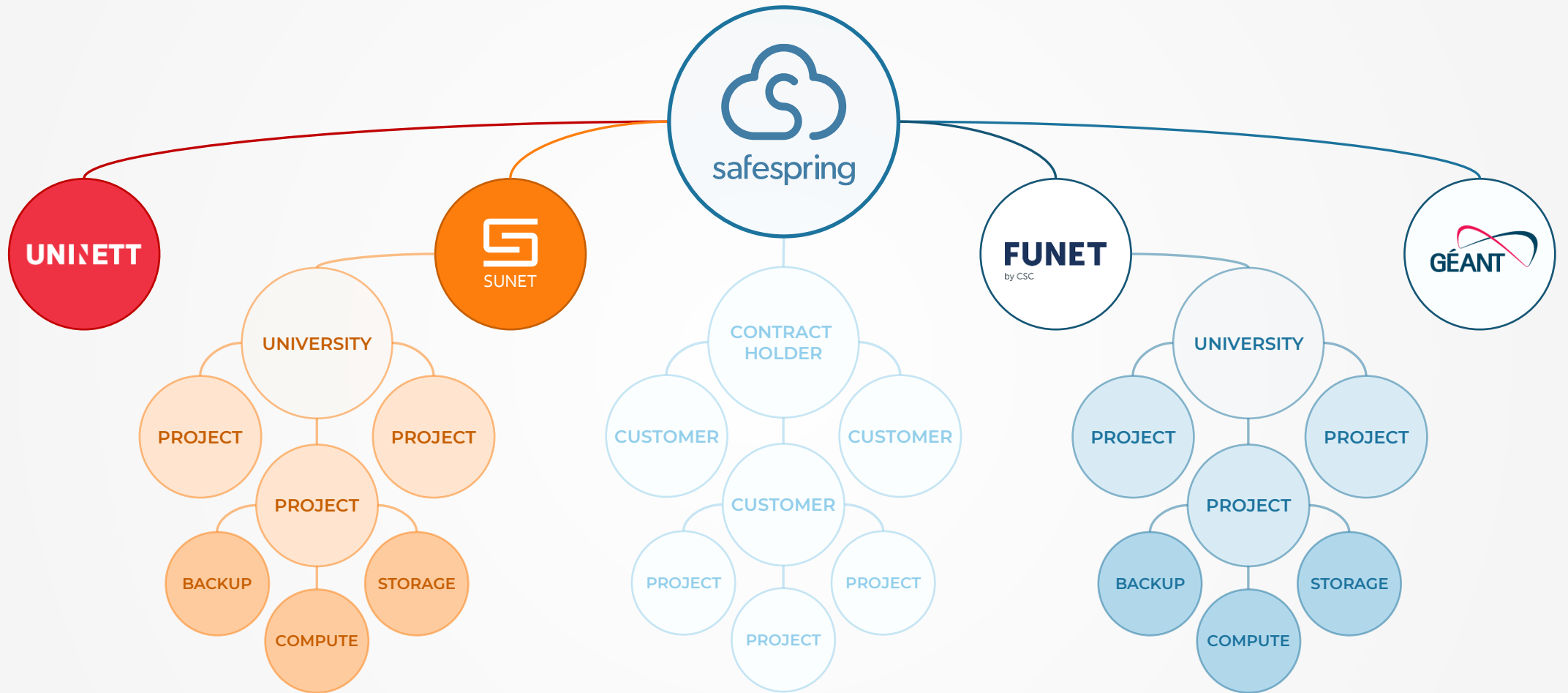
Johan Harrysson,
Head of OCRE Relations
johan.harrysson@safespring.se,
+46 708 37 55 66



Platform: Safespring
Underlying technology: Open Stack & Ceph
www.safespring.com/ocre



Business model and administrative processes





Billing and usage data

	A	B	C
1	# 2021-03-02 00:00:06		
2	Customer	ProductClass	TotalPrice
3	UNI1	IaaS	65821.75
4	UNI2	IaaS	428.83
5	UNI3	IaaS	12214.97
6	UNI4	IaaS	1145.07
7	UNI1	STaaS	40800.00
8	UNI3	STaaS	2220.23
9	UNI5	STaaS	0.00
10	UNI6	STaaS	52455.15

1. Customer to CSC get a domain name structure e.g. soumiuniversity.fi
2. Users are mapped to domain name and use federated login via SSO to project e.g. projectname.soumiuniversity.fi
 - + Individual institutions/research project are separated by projectname
 - + Individual groups within same institutions/research are separated by costcenter
3. **Safespring provide CSV files with summary of usage for FUNET**
 - + Via API and attachment to invoice
4. **Customer get detailed usage and pricing in CSV via API**

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	# 2021-03-02 00:00:07												
2	costcenter	project	product	owner	product_name	product_code	resource_name	resource_id	plan	fixed_rate	units	unit_rate	subtotal
3	Cost-1000	projectname.soumiuniversity.fi	IaaS	N/A	instance:b.medium	HR-BASE-b.medium	nameyourinstance	c509d723-53f1-4b06-969e-3fd1eb047e53	standard	0.00	672.0	0.724027	486.5461
4	Cost-1001	projectname.soumiuniversity.fi	IaaS	N/A	disk.root.size	HR-BASE-volume-instance-root-fast	nameyourvolume1	d1224322-8d75-4c56-b032-d01ba5a1a179	standard	0.00	26880.0	0.006398	171.9782
5	Cost-1002	projectname.soumiuniversity.fi	IaaS	N/A	volume.size:fast	HR-BASE-vol-default-fast	nameyourvolume2	2aa28243-cc05-4c1c-b898-c1a6d1169f62	standard	0.00	13440.0	0.006398	85.9891
6	Cost-1000	example.soumiuniversity.fi	IaaS	N/A	instance:lb.2xlarge.1d	HR-BASE-lb.2xlarge.1d	nameyourinstance	2141c902-97b9-4373-a1e8-7d0127d1aa6e	standard	0.00	672.0	5.118682	3439.7543