

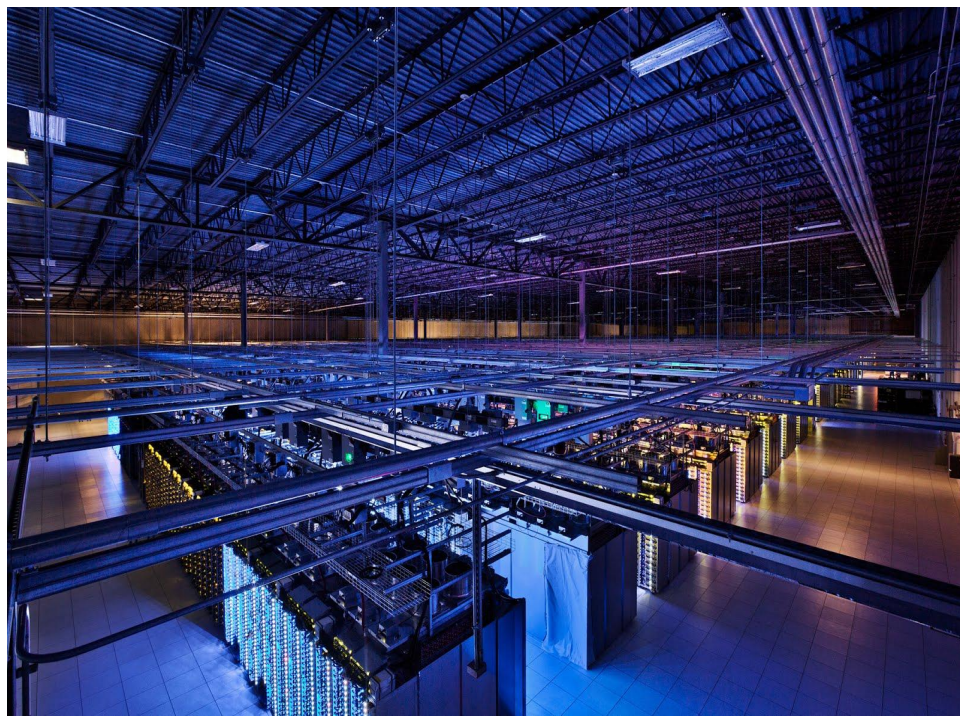
NODEWEAVER Cloud Fabric



Cloud computing is a beautiful thing.







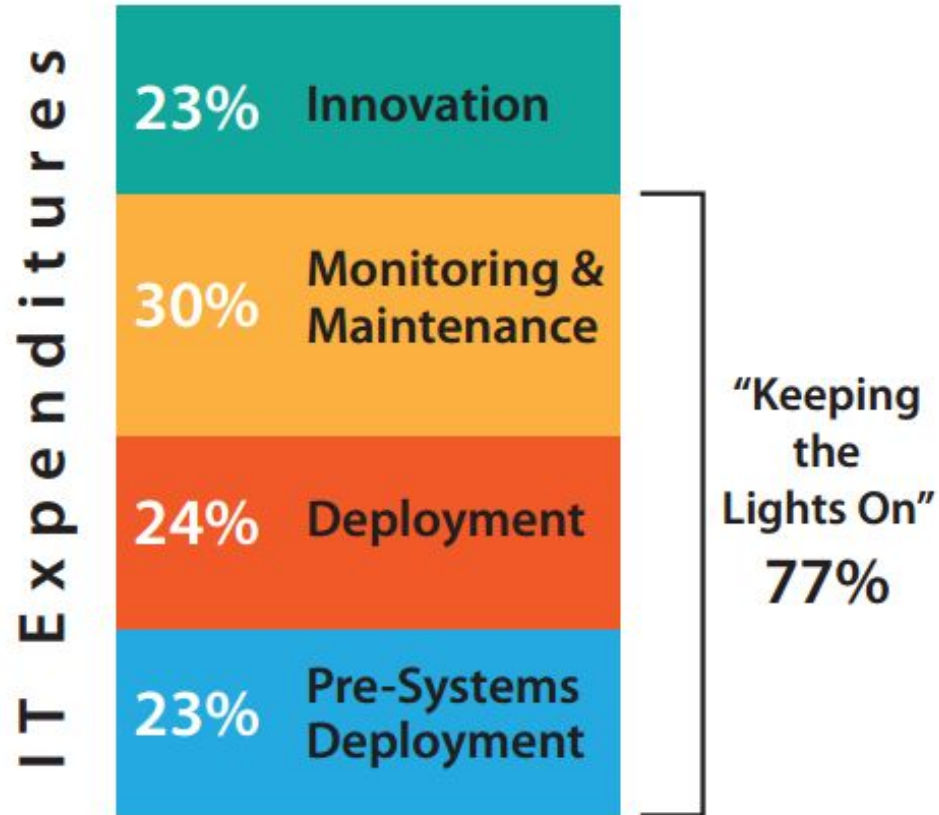
Dream



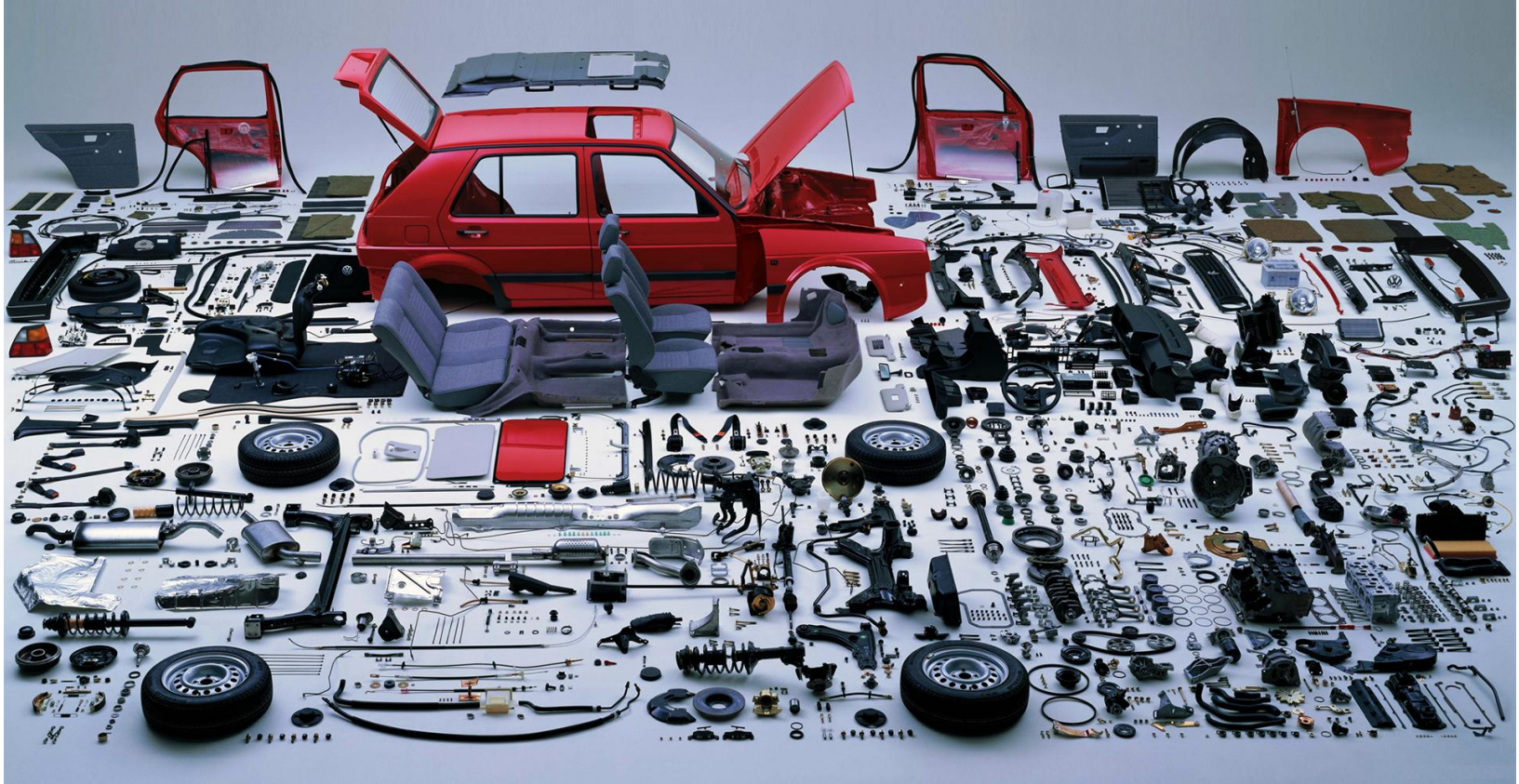
Reality

- Compute resources could be in separate islands where they cannot communicate to coordinate computation
- Locations of compute resources may be difficult or costly to access
- Compute in ruggedized enclosures might not be expandable
- Technicians to perform the work may not be easily available
- At the edge, there are no expectations on homogeneity regarding devices, or the hardware and software platforms

The problem



The problem



The problem



Chris C. Kemp

@Kemp

Segui

@Vish talks about tweaks you can make to the over 600 parameters you can set in #OpenStack Nova at #OSATX

Traduci il Tweet



The problem



Manufacturing



Oil & Gas



Energy & Utilities



Transportation &
Automotive



Defense & Law
enforcement



Telcos, Media &
Comms



Campus, Branch &
Retail

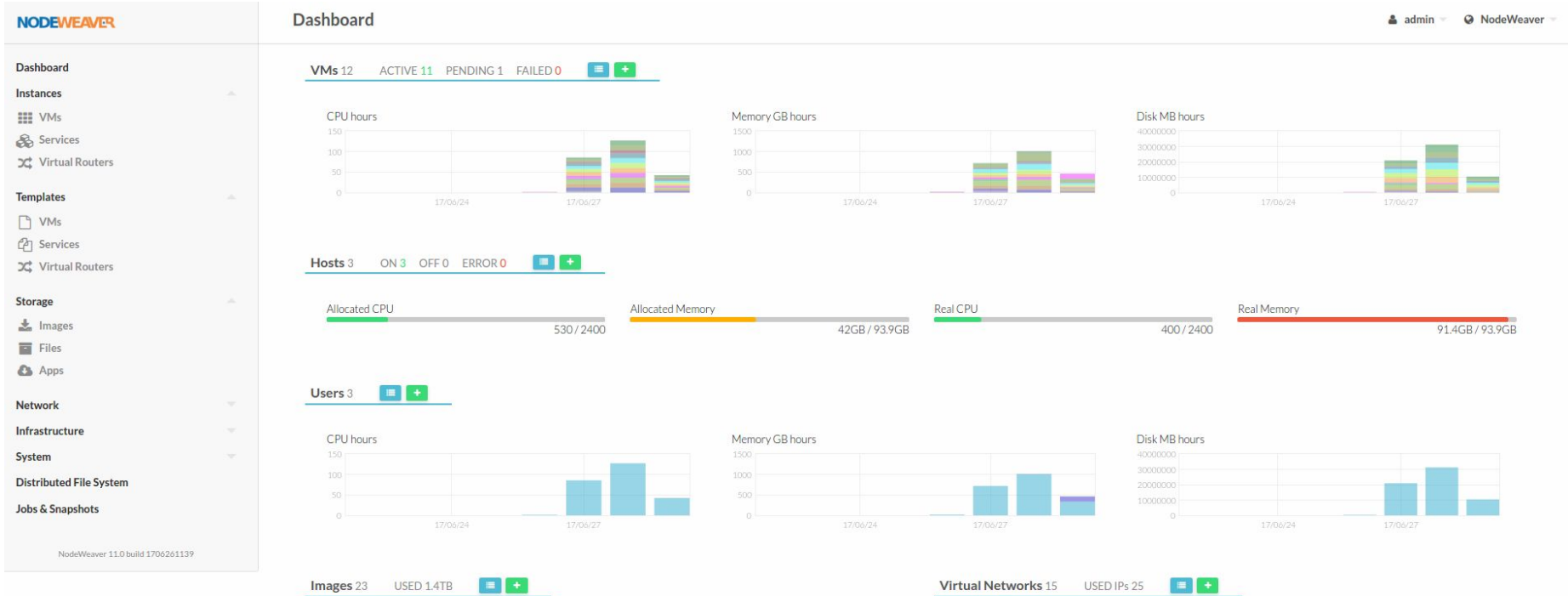
Operational Tech Edge

IoT Edge

Enterprise IT Edge

NodeWeaver is a software-only Edge cloud fabric
That runs **any** application - VM, containers -
that **manages itself**
running on **any** hardware, of any size
Pay-as-you-go like public clouds

Control from anywhere



Designed to handle any disaster autonomously



What makes us different?

- Autonomous management, optimization, remediation
- Pay-as-you-go
- Declarative - ask, the system will find a way
- Automatically compose the optimal software platform:
from the ultra-small (SoC) to Core cloud



Edge



ROBO



Core

What makes us different? (2)

- Soft-realtime capability (for industrial control apps)
- Integrated Disaster Recovery
- Transparent network across different cloud islands
- Digital timestamp of system logs in the Blockchain
- Integrated security, full user auditing
- Transparently encrypted storage for sensitive data (eg. medical IoT, video surveillance)

- We use many open source components, but all the differentiating parts are proprietary
- Most software/knowledge coming from our EU research:



- And from additional FP7 and H2020 ones:



The Edge Cloud Market

Transparency Market Research: **\$13.3B by 2022** (\$8B in 2017), CAGR **10.9%**

Market Research Future: **\$19.4B by 2023**, CAGR of **17.9%**

Smarter With **Gartner**

What Edge Computing Means for Infrastructure and Operations Leaders

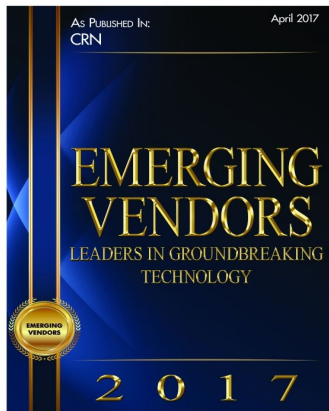
October 18, 2017

Contributor: Rob van der Meulen

INFRASTRUCTURE & OPERATIONS

“ Currently, around 10% of enterprise-generated data is created and processed outside a traditional centralized data center or cloud. By 2022, Gartner predicts this figure will reach 50%.”

Some of our recognitions



“A focused approach on small clouds in vertical sectors gives NodeWeaver something of a blue ocean strategy: an area of the market not well served that we know of. The dirt-cheap pricing NodeWeaver is willing to be up with should be a strong attractor”
(451 Group)

- 220+ installations (paying customers)
- 10% growth month/month
- Partners:
 - Australia
 - Canada
 - Estonia
 - Germany
 - Italy
 - Peru
 - Poland
 - Russia/CIS
 - Spain
 - Switzerland
 - UK
 - USA

Carlo Daffara (CEO): 2 companies, 20+ years of IT experience, principal investigator in 10 EU research projects, cloud & IT economics expert for EU public entities, JISC, EC

Lorenzo Faleschini (CTO):
15+ years of IT experience,
extensive IT design and
system architecture
experience in SMEs



Stefano Massarotti (COO):
25+ years of IT consulting
experience, founded 2
companies

US office:

Tom Mays:
25+ years of experience, ex SVP
of Data Solutions at
Verizon-Terremark

Mike Grosswald:
35+ years in enterprise sales; from
start-ups to technology manufacturers

Mitch Kitay:
15+ years of experience, past Director of
Product Management at Virtustream, VP
Verizon-Terremark

Partnerships



Addressing utilization through pricing models

Proliferation of pay-as-you-go private clouds tackling utilization:

- Microsoft AzureStack
- HPE Greenlake
 - Rackspace Partnership
- Oracle Cloud@Customer
- Dell EMC CloudFlex
- Nutanix
- NodeWeaver
- Hypergrid

Source: 451 Research, Cloud Price Index, Having your cake and eating it too: the trend for pay-as-you-go private clouds, 2017

We hope to have told you an interesting story.
We have much more to show...

<https://www.nodeweaver.eu>

NODEWEAVER