

UNIVERSITÀ DEGLI STUDI DI PADOVA

VSIX update
Luca Finotti



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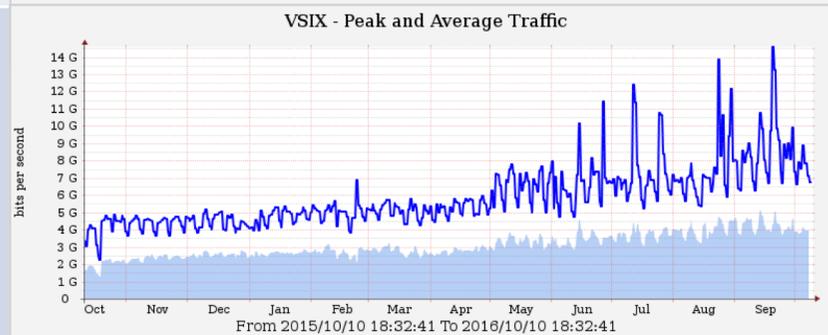
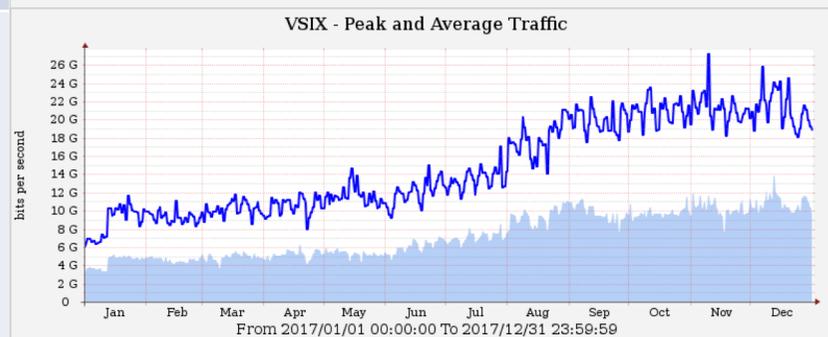
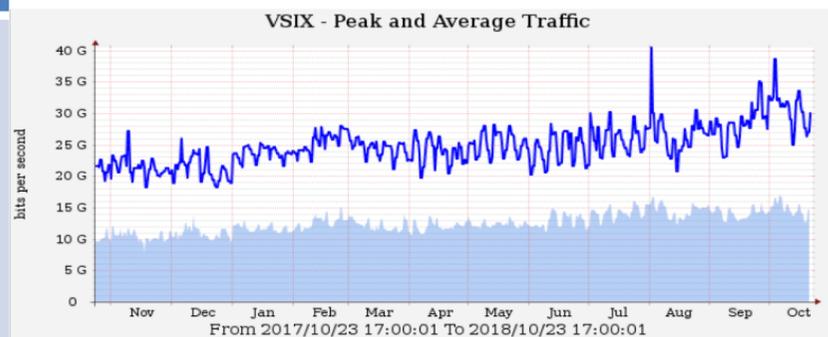
VSIX: junction between local governments and commercial networks

- VSIX is a project managed from University of Padova
- VSIX was born in 2009
- It is a Internet Exchange Point and a Telehouse for northeast of Italy
- It is GARR-X Point of Presence: ultra-broadband network dedicated to the Italian research and education community
- It hosts disaster recovery for University of Padova and Regional Government
- It hosts and monitors Virtual Private Network for towns of Veneto region together regional government (overnetwork project)
- It hosts Back-up for regional emergency radio system



Trend of growth

YEAR	MEMBERS	PEAK
2018	54	40 Gbps
2017	52	27 Gbps
2016	48	15 Gbps





- ASNs: 142
- Prefixes: 1548
- Back-to-back: about 100
- Ports: 224 (new platform ARISTA DCS-7280SRA-48C6M-FLX-F with **100Gbps**)
- Peak 2018 (Gb/s): 40
- Capacity (Tb/s): 1,904
- Carrier: 12 (IP transit redundancy toward Vienna)
- Data Center: 200Mq Tier-II
- Agreements: Topix, Namex, GARR, Regional Government, Lepida, Google, Akamai



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Geographic location



In the middle of Veneto
Region and in the middle
of Northeast of Italy

ITALY

Galleria Spagna, 28 -
35127 Padova

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2019			
Q1	Q2	Q3	Q4
ISO27001 certification	Point-of-Presence in Milan VSIX Happy hour	Interconnection with neutral DC Tier-III (1300Mq) in Padova Metropolitan project for sharing IT services with Local Governaments	VSIX Data Center Extension: add 200Mq in the same campus



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