

Employment

C.T.E.R., Full time	CNR (Italian National Research Council)	2013 - present
ISTI-CNR infrastructure:		
<ul style="list-style-type: none">Planned and implemented a <i>hyperconverged</i> computing and storage infrastructure, based on <i>OpenStack</i> and <i>Ceph</i>.Implemented the integration with the ISTI-CNR's <i>identity provider</i>.Implemented a set of <i>Ansible</i> roles that set up the <i>Tripleo undercloud</i> ready for the <i>OpenStack</i> deployment.Proposal of a federated computing and storage infrastructure for the whole National Research Council.		
ISTI-CNR institute services:		
<ul style="list-style-type: none">New authentication service that supports <i>OpenId Connect (OIDC)</i> and <i>SAML</i>.New email service built around Postfix/Dovecot. Used load balancers to have High Availability and scalability.DNS server with API to ease certificate management when using Letsencrypt.Move Git, DNS dashboard, NextCloud, Redmine, etc. to <i>OIDC</i>.		
D4Science research group:		
<ul style="list-style-type: none">Integration of the CI and provisioning processes to allow for deployment automation as well as, when possible, deployment autonomy.Introduced service observability and monitoring of hardware components, with alerting based on configurable metric rules.Better handling of the continuous integration process, allowing for:<ul style="list-style-type: none">much higher frequency of software releases: from once every three months to twice a week;dramatic decrease of scheduled downtimes: from 2/month to 2-3/year;dramatic reduction of service interruptions caused by problems with the infrastructure: from 2-3/month to 3/year.		
D-Net research group:		
<ul style="list-style-type: none">Installation, configuration and fine tuning of a Hadoop cluster.Installation and configuration of Zeppelin and JupyterHub notebook services, linked to the Hadoop cluster.		
Technical Manager, shareholder	accordo.it s.r.l.	1996 – 2012
<ul style="list-style-type: none">Provisioning and administration of the application web site.Planned and executed the migration from a single managed virtual machine to a load balanced and HA environment deployed in GCP.		
Technical Manager, shareholder	Link.it s.r.l.	August 1997 – July 2010
<ul style="list-style-type: none">With my associates, we worked at the then original idea of a system able to configure Internet services hiding most of the complexity and all technical details.Many activities as system integrator for the company customers.		
Systems administrator	Self employed	1995 – July 1997
<ul style="list-style-type: none">Lecturer for a <i>Further Education</i> project funded by the EU and managed by the Province of Massa-Carrara, Italy. Taught courses on network and system administration, operating systems and network security for Solaris and Linux operating systems.Network and system administrator at the <i>SerRA Center</i> (University Network Services Center), University of Pisa, Italy.Network and systems administrator for two Internet providers, based in Italy in Massa and Forte dei Marmi, respectively.		
Systems administrator	Self employed	1992 – 1994
<ul style="list-style-type: none">Network and system administrator for private customers and public institutions.		

Education

Pisa, Italy

University of Pisa

1987 – 1991

Followed the courses for the Laurea Degree in Computer Science (had to stop for personal reasons before graduation, with only 4 out of 19 exams still to be taken).

Massa, Italy

High School Diploma

1987

Publications

References

- [1] Andrea Dell'Amico.
Il Free Software nel Mondo Accademico.
Proceedings della Conferenza Unimatica II.
Non disponibile in rete.
Perugia, 2000.
- [2] Andrea Dell'Amico et al.
NIS HOWTO.
1995.
url: <http://www.tldp.org/HOWTO/NIS-HOWTO/>.

- CNR-ISTI publications