

# andrea di iulio

CLOUD ARCHITECT

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## summary

Cloud architect at DXC Technology, with years of experience in engineering, designing and deploying cloud and traditional solutions. Curious learner, always looking at how things works at their foundations, I prefer Vim.

## skills

<b>Cloud</b>	Public, private & hybrid cloud scenarios: AWS, OpenStack, VMware on AWS, Google Cloud
<b>Traditional</b>	Linux (from embedded systems to scale-out servers), OS engineering & modeling, VMware-based Disaster Recovery...
<b>Certs</b>	AWS Certified Solution Architect – associate; TOEFL – English as a foreign language
<b>SDN</b>	Hybrid & public cloud networking, under & overcloud layouts, Juniper Contrail...
<b>Code &amp; IaC</b>	Shell & Ruby scripting, C, Go (basic), Terraform, CloudFormation, Docker Compose

## work experience

### DXC Technology

Rome – Italy

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April 2017 – now

- Multi-private cloud post-sales detailed solution & implementation (Scalr, VMware, OpenStack, Juniper Contrail).
- AWS hub/spoke deployment with a transit VPC based on Check Point CloudGuard. Hybrid network connection with customers's HQs. Multi-region 1:1 disaster recovery.
- VMware + VMware on AWS distributed hybrid cloud architecture under a single Scalr cloud management platform. End-to-end responsibility on the technical proposal. Core/edge computing model. Orchestration framework based on Scalr+Terraform integration.
- Architectural design and cost modeling for a dual-AZ VMware on AWS deployment.
- Dry-run sessions with the VMware on AWS offering team for an end-to-end documentation quality walkthrough.
- Solution design, migration planning and execution for a Government Authority portal and relevant integrations within a private cloud based on OpenStack.
- For an EMEA customer, end-to-end accountability on a multi-region AWS solution with common Organizations layout and general network layout based on multiple Direct Connect gateways. Security, network and VPC design. Full logical security layout using AWS Organizations and IAM policies. Integration and orchestration artifacts via DXC Private Cloud solution and its own portal. Full analysis on the SNOW's ITSM capabilities and full-working orchestration proof of concept.
- Within the italian automotive context, architecture definition and proposal of a Container as a Service internal solution - based on Docker, Swarm and a custom CI/CD pipeline, developed and maintained by local delivery teams. Cost modeling and transition planning.

### Hewlett Packard Enterprise

Rome

INFORMATION SYSTEMS ARCHITECT

2009 – April 2017

- Part of the SPC Cloud development team. Main contributions: Oracle PaaS catalog, relevant licensing and restricted workload placement, underpinning technical architecture, cost and price modeling. Also, I worked for enabling a custom dual-site OpenStack deployment with Disaster Recovery capabilities. SPC Cloud is a community cloud solution for Gov't agencies (federal, central) based on HPE Helion Openstack and custom requirements.
- Docker & Swarm multi-node deployment underpinning a long-running training service for the Ministry of Justice.
- Application containerization within a virtual private cloud, for a banking application.
- VPC architecture, migration planning, cost modeling and IaaS setup enabling a SAP relocation two different EMEA & UK customers.
- Disaster Recovery for a core service of the Ministry of Justice, between two main DCs, using VMware SRM. End-to-end task including requirements definition, target architecture (under and over DR), relationships with internal and external stakeholders including vendors, and team leadership.
- Multi-node VMware deployment and Oracle RAC deployment for a Gov't agency: project and technical management.

### EDS Electronic Data Systems

Rome, Milan

TECHNICAL ARCHITECT, SYSTEMS ENGINEER AND PREVIOUS ROLES

2000 – 2009

- Corporate e-mail system head of service delivery and continuous improvement. Integration between commercial & open source products.
- UNIX & Linux systems modeling, software packaging and automated deploying for the Ministry of Education.
- Systems modeling and hardening for the 2004 & 2005 electronic polling experimentations by the Italian Government: I developed the OS part of the e-vote kiosks.
- For Fata Informatica: Technical trainer (classroom) on Java, C, C++, and consultant on systems engineering and service administration for the Ministry of Education
- For Frama Development (Milan): programmer on CRM and DWH solutions.