

# andrea di iulio

cloud architect

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## summary

Cloud & information systems architect for DXC Technology  
Design and deployment of complex private, hybrid and public cloud solutions  
Curious learner, always looking for how things work at their foundations  
I prefer Vim and low-profile, focused work

## skills

<b>Cloud</b>	Public, private & hybrid cloud architectures & deployments: AWS, GCP, Azure, OpenStack, VMware on AWS/Azure
<b>SDN</b>	Software-defined networking, public cloud networking, global transit networks, hybrid network layouts, Juniper Contrail, Tungsten Fabric
<b>Traditional</b>	Linux – that is everywhere, Operating Systems modeling, VMware, Server, network & storage fabrics, Disaster Recovery
<b>Coding, IaC &amp; Devops</b>	Terraform, AWS CloudFormation, Docker compose, Ruby & Shell scripting, C, basic Go
<b>Certifications</b>	Google GCP Professional Architect, AWS Certified Solution Architect, AWS Certified Developer, TOGAF english as foreign language

## work experience

### DXC Technology

Rome – Italy

Cloud Architect

April 2017 – now

- Executive consultancy on a multi-year corporate transition towards a bimodal cloud adoption strategy
- 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 management platform (Scalr). End-to-end responsibility on the technical proposal. Core/edge computing model. Orchestration framework based on Scalr & Terraform
- Architectural design and cost modeling for a dual-AZ VMware on AWS deployment
- Solution design & workload migration for a Government Authority service and relevant integrations, within a private cloud based on OpenStack
- Multi-region AWS solution. Security, network and VPC templating. Integration and orchestration with in-house private cloud solution and portal. PoC on servicenow-based AWS provisioning
- 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 & previous roles

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