



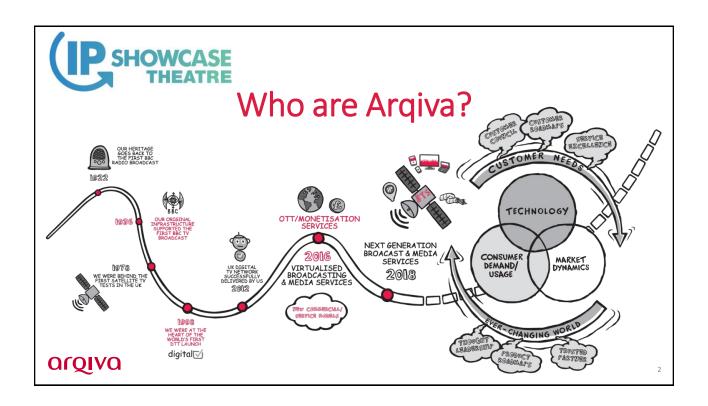
## Next Generation SDN media network



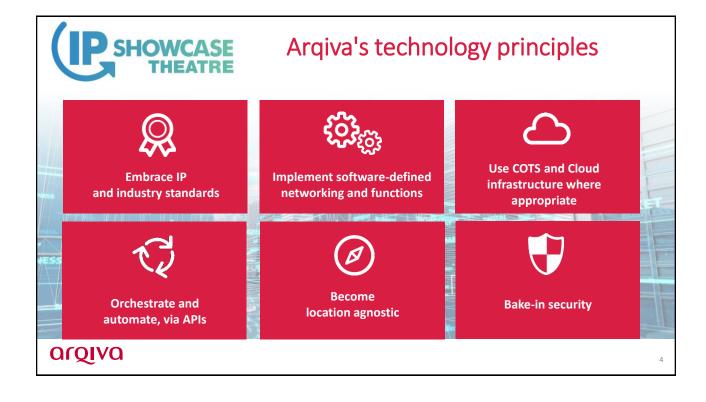


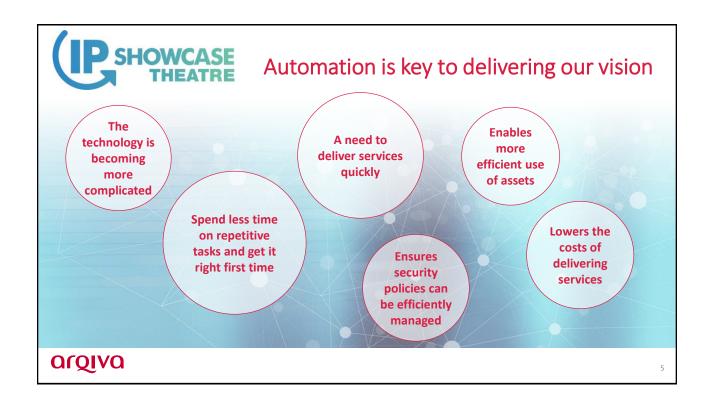
Principal Consultant

IP SHOWCASE THEATRE AT IBC - SEPT. 14-18, 2018











## We set ourselves a goal...

"I look forward to June 2019 when we are able to instantaneously provision and manage secure broadcast grade services, through the art of a "drag and drop" for our customers, using software defined networks and common IT equipment"

Keith Frost, Arqiva Media and Data Networks
Director - Jan 2017

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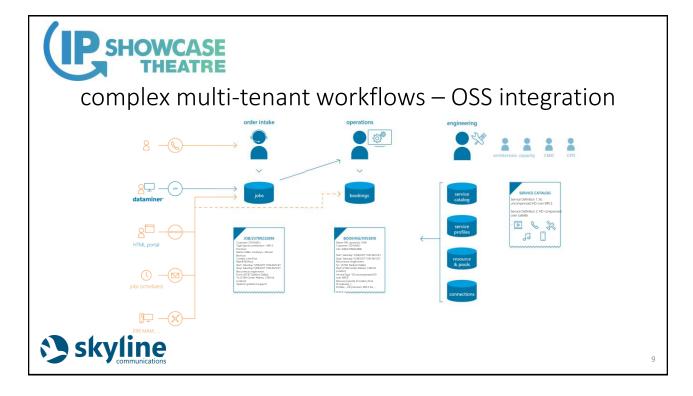
## End-to-end multi-domain orchestration

- complex multi-domain lifecycle service orchestration (LSO)
- · multiple technologies & vendors
- · multi-tenant operation
- globally interconnected massive scale
- · multi domain (networks and edges)
- · multi-service & SDN controlled
- requires intelligent routing algorithms (e.g. lowest cost path – Dijkstra)
- NFV at the edges (dyn. deployment models)
- requires advanced resource management (availability, capability, capacity)



- Flow monitoring based on sFlow, netflow, routing tables, snooping tables, LLDP, etc....: multiple sources from multiple API's
- Standardization still on-going (AMWA, ONAP, MEF, ...), so need a solution that can evolve easily

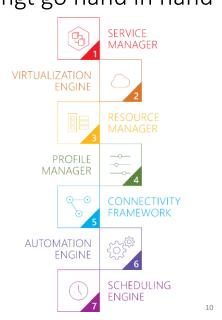
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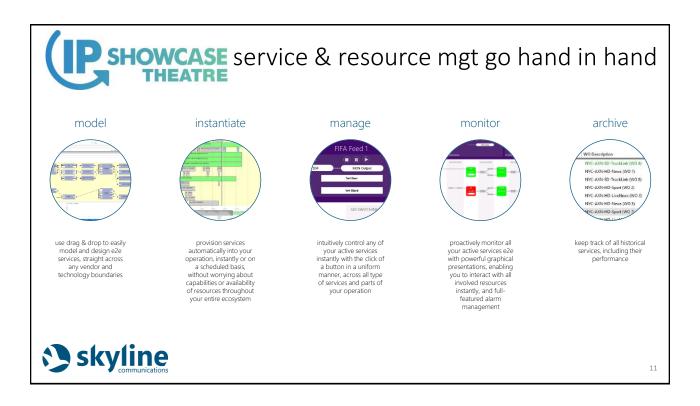


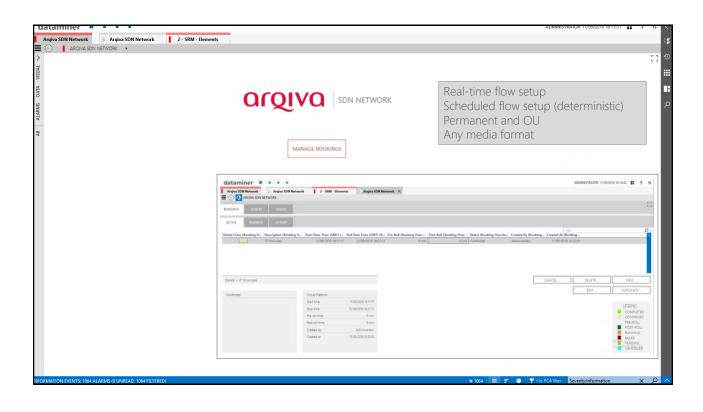


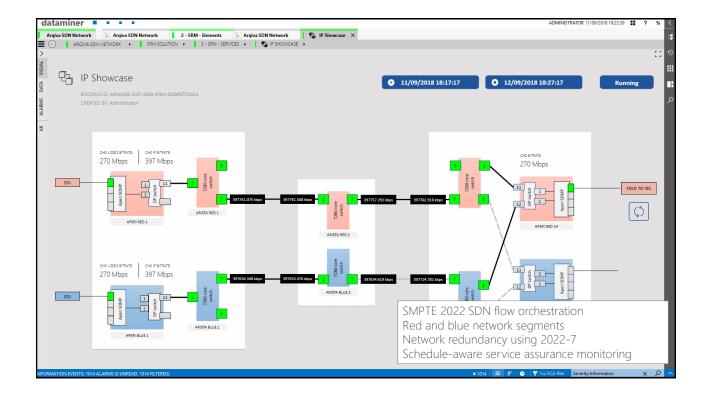
- · state-of-the art multi-vendor service orchestration solution
- manages services independently from the underlying infrastructure (bespoke, virtualized or hybrid deployments on- and off-premises)
- interoperates with any hardware technology, appliances and software functions (NFV) from any vendor
- full stack orchestration: infrastructure, platform services, media services and SLA's
- · resource capacity and capability management of all resources in the system
- intelligent and deterministic SDN orchestration of IP flows (e.g. Dijkstra)
- operates independent of media and transport formats (SMPTE 2022, 2110)
- integration with broadcast controllers (proprietary, AMWA IS-06 in the future)
- DataMiner is fully integrated with other OSS/BSS functions, such as incident handling (tickets), planned maintenance, CMDB, ERP systems, scheduling
- · integration into open frameworks on-going (e.g. MEF, ONAP)

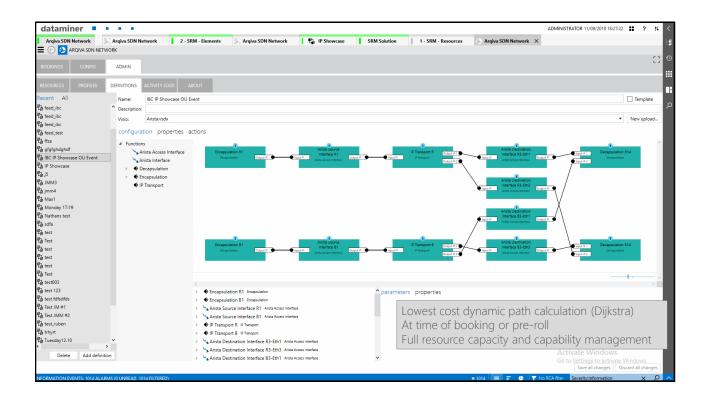


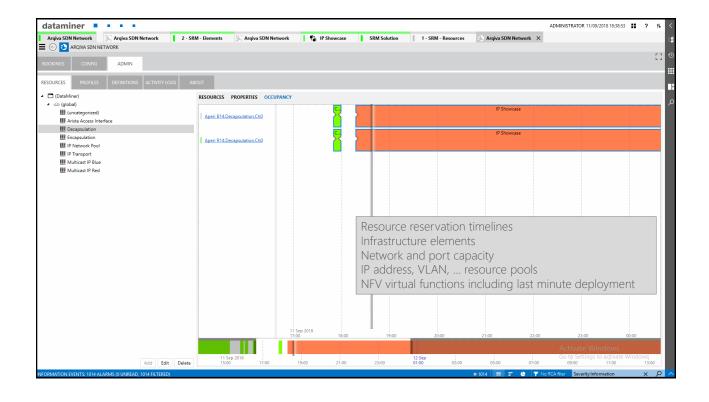


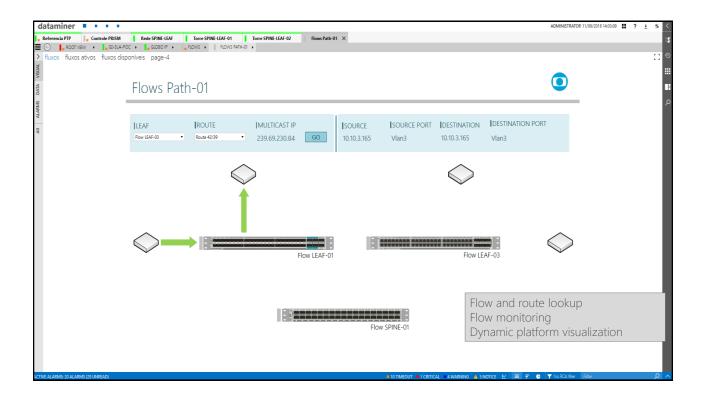


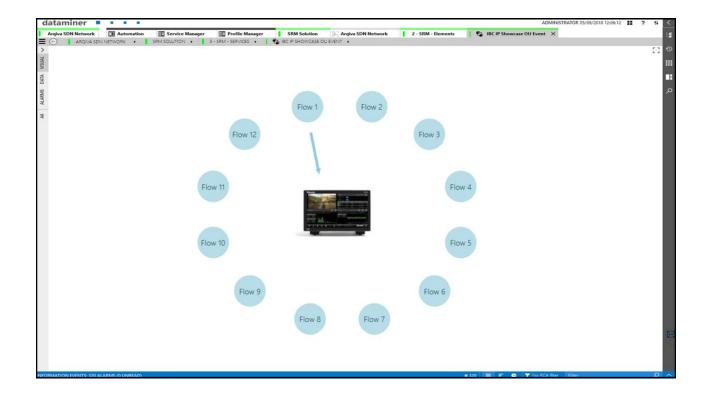


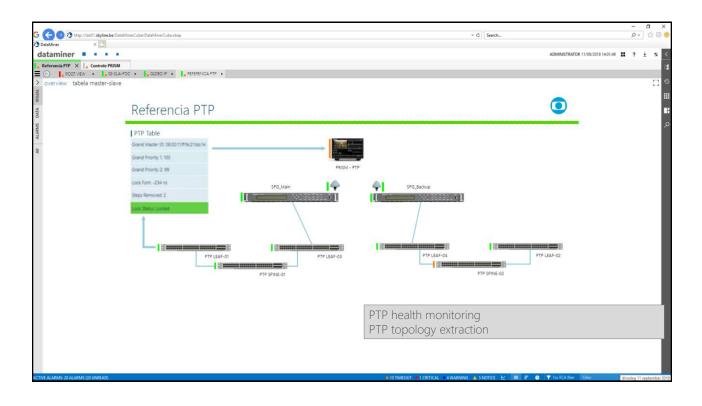














Come and see media over IP action!



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1.B24

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