

Automate and eliminate errors in network activation

Streamline the time it takes to create network activations for new service offers

Next generation configuration deployment

The Visionael Network Communication Manager - Activation Manager (AM), part of Visionael OSS Suite, provides advanced network activation and configuration deployment for legacy and next generation networks. AM is designed to meet the most rigorous requirements of providers who demand efficient, robust and secure network activation in their OSS environments. AM provides this vital function to the Visionael OSS Suite or any modern OSS environment.

Black box activation using normalized configuration representation

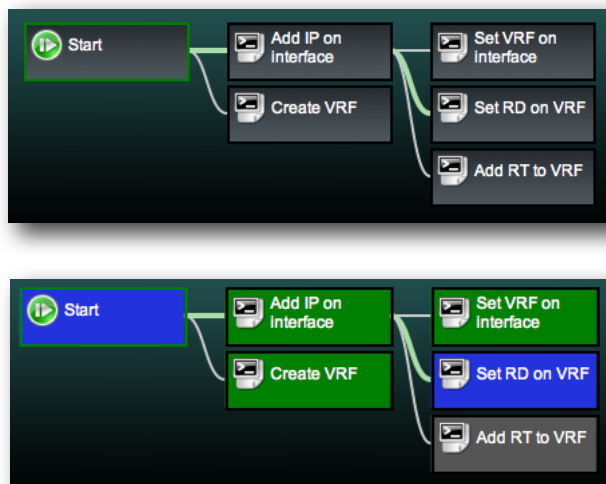
AM works with device representations of multi-vendor network configurations expressed in the VisION format. This format is vendor-agnostic and allows operators to express dynamic configuration models in a normalized manner that encapsulates all configurations carried out in the network, rather than calling a set of pre-defined actions. This intelligent configuration streamlines activation significantly.

Fine-grained activation actions defined by OSS engineers

As opposed to predefined coarse-grained activation scenarios or workflows, AM provides the means to define fine-grained activation actions that represent isolated activation tasks. These activation actions are combined to carry out larger, multi-device network configuration deployments.

State of the art deployment planning

Based on the existing state of a device, AM consults its planning engine to calculate a set of activation actions required to complete the order execution. First, the planning engine determines which protocols to use, based on the network element vendor. Next, it determines in what order the actions must be carried out. If an error occurs during activation, the planning engine calculates the exact steps needed to return devices from their intermediate state back to their original state. All this happens automatically – no manual work is required by engineer or operator.



Robust multi-device transactions

Activation manager acts as a black-box for its client not only for single device activations but also for complete activation scenarios that span multiple network sections and are implemented with different network vendors. AM maintains local and global transactional states, always giving its client one of two feedbacks, a successful transaction or a rolled-back transaction. This greatly simplifies the activation process for overlying service provisioning systems.

Multi-vendor, multi-chassis, multi-software, multi-protocol

Most networks consist of a myriad of different platforms, all with different support for activation types, protocols and transactions. AM abstracts this completely for its clients. Service provisioning solutions and Network Management systems only need to know configuration representations in one notation - the VisION format. The planning engine selects appropriate activation actions and protocols based on the platform.

The Visionael OSS suite

The Visionael OSS Suite provides a full set of tools for service providers, enterprises, and system integrators facilitating automatic discovery, documentation, physical and logical resource allocation and provisioning/activation of services and network elements as well as customer specific process automation.

All products in the OSS suite are designed to work in concert or stand alone as modules of a multivendor OSS environment.

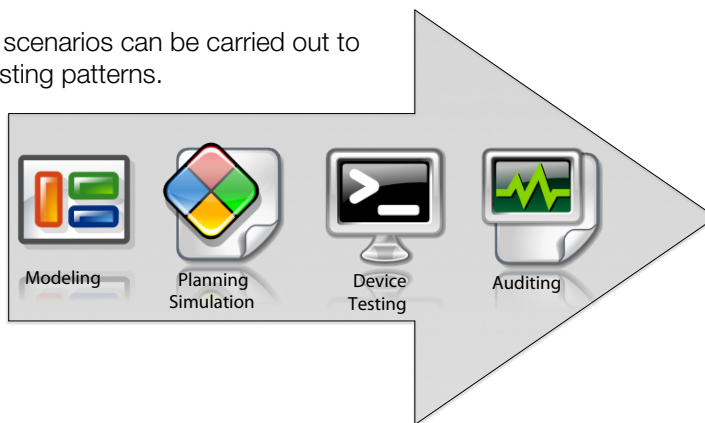


Model - Simulate - Define - Test - Audit

AM provides an intuitive, web-based GUI whereby OSS engineers can simulate any imaginable activation scenario by simply creating VisION representations. The planning engine will immediately provide scenarios for activation decomposition, allowing the engineer to add, modify or remove activation actions.

Regression testing on standard scenarios can be carried out to ensure changes don't break existing patterns.

The AM testing facility allows engineers to test activation scenarios on live equipment with step-by-step transitions over an activation plan. At any point the engineer can invoke a roll-back to make sure planning and rollback actions are carried out as expected.



The Audit workspace allows engineers to follow activation scenarios and evaluate planning results for previous orders. If any activation scenarios have failed due to incomplete planning the order can be transferred over to the simulation workspace allowing the engineer to solve the situation.

Enterprise Service Bus

All our API's are exposed and well documented allowing any system within your OSS environment to use data residing in our products, minimizing the integration tax.

No internal API's are used.

Incrementally intelligent

Orders which the planning engine can't execute can be accessed in the audit workspace. Here, the OSS engineer can quickly resolve what actions are missing and create them by simply evaluating, in the simulation workspace, the activation scenario generated by the order. After creating any modification, the new scenario can be verified against testing equipment. Reference scenarios can also be regression tested to ensure that new actions don't interfere with expected behaviors.

Platform and Requirements, NCM/AM Server

Operating Systems and Platforms:

- Sun Solaris 10
 - Sun UltraSPARC (minimum 1 processor at 1.4GHz)
 - Intel and AMD 32 and 64 bits processors
- SUSE Linux Enterprise Server 10
 - Intel and AMD 32 and 64 bits processors
- Red Hat Enterprise Linux 5 server
 - Intel and AMD 32 and 64 bits processors

Databases Supported:

- Oracle 10
- Oracle 11g
- Oracle 11g RAC

Java requirement:

- Java JRE 1.6

Application server

- Sun Glassfish 2.1

System Requirements:

- Dual core 2.6GHz (minimum)
- Memory: 3 GB (minimum)
- Disk Space: 2 GB (minimum)

Platform and Requirements, AM Client

Operating Systems and Browser:

- Any OS support ing the supported browser requirements
- Mozilla Firefox 3.5 or later.

System Requirements:

- 2.3GHz (recommended)
- Memory: 2 GB (recommended)

Need more information ?

Please visit us at

<http://www.visionael.com/>

OSS Simplified

The Visionael OSS Suite is designed for cost-effective deployment by operators and systems integrators. Visionael OSS provides an alternative to traditional costly/time consuming solutions and a significant improvement over manual management methods.

Easy to learn, your teams can be productive in weeks not months. Integration to other systems like CRM or Order Entry is simple with our flexible Enterprise Service Bus – a set of public APIs. Fast time to value delivered. The Visionael OSS Suite is a proven solution in use by operators around the world.

Please visit our web site for additional data sheets and videos.