We know your challenges:

**Sections:**

**Cloud discovery**

Brief:

Discover your cloud in a quick way and setup a site of instances, volumes, snapshots, auto-scaling groups, ELBs and reserved instances. Get a comprehensive visualization of the site.

Details:

A site in the Orchestrator terminology is a collection of instances running on a public or a private cloud. A site could define all instances in your cloud account or a collection of virtual machines in your network or a any cloud deployment.

* Build your site in a quick and easy way with your cloud account credentials. Filter the instances that you want to include in the site.
* View and customize the site topology for a better understanding of instance responsibilites and communication.
* View the auto scaling groups, ELBs, their managed instances and reserved instances in the site.

**Key management and Application discovery**

Brief:

Let Orchestrator take the responsibility of managing your instance keys. Discover processes and applications running on the instances. Discover connections between instances.

Details:

* Key management of a large cloud deployment can be a tedious task for any devops user.

Orchestator aims to provide a simple and secure way of managing all the instance keys once uploaded into the system.

* Once instance keys are known to Orchestrator, it can perform process and application discovery on the instances. Virtual tags are added to the instances with the discovered application or process information.
* Active network connections (incoming or outgoing) between instances are also discovered

**Integration with APM servers**

Brief:

Incorporate monitoring metrics and instance health information into your site by associating it with the APM server that your deployment uses.

Detailed:

* Configure an APM server (ex: Graphite, New relic) that your infrastructure uses and associate it with your site.
* Health metrics and other monitoring information collected by the APM server are then incorportated into the Orchestrator system for further analysis

**Network Topology Visualization**

Brief:

Get a holistic view of the site and a clear perspective of the instances, details, statuses and connectivity. Customize the way the instances are grouped and define your own view of your site.

Detailed:

The instance information depicted in tabular form on various cloud management consoles miss out in showing a big picture of the statuses of instances, what these instances are running or how they are communicating. Orchestrator aims to provide a better visualization of the site and make more sense of the instances and their connectivity.

* Orchestrator allows you to easily customize the way instances are grouped. Instances can be hierarchically grouped based on their properties and tags. This way of grouping enables you to define your own visualization of your site.
* You can add virtual tags to instances to identify them better or enable better grouping.
* In this view you can identify reserved instances, elastic load balancers and auto-scaling groups.
* The topology also gives you the volume and snapshot information of all the instances.
* Orchestrator provides you an extensive search functionality to highlight specific instances. An assisted search is provided to help you find the instances by their properties and tags.
* Monitor the health of the instances with a graphical view of monitoring information fetched from the configured APM server.
* Automate and schedule workflows on selected instances to perform certain actions.

**Workflow Automation**

Brief:

You can automate anything – from simple software setup and configuration to complicated application deployment on your site. Orchestrator lets you define, view, publish, execute and schedule workflows to be run on various instances.

Detailed:

* Define a workflow with the necessary scripts.
* Visualize the workflow as a sequence of steps with our graphical UI. The scripts associated with every step are shown.
* Configure all the group and host variables in your scripts and build an inventory.
* You can publish workflows to be executed by your team on various instances.
* Execute the workflows and view the live execution status of every step in the workflow and the corresponding logs and reports.
* Schedule workflows to be automated at a periodic interval and frequency on selected instances.

**Multi-terminal Command Invocation**

Brief:

Execute shell commands on multiple instances and analyze results.

Detailed:

* Given the instance keys, Orchestrator allows the devops user to remotely connect to selected instances and run shell commands
* Results on the multiple terminals can be analyzed to verify installation of software, check versions of installed software, processes, existence of certain configuration files, etc
* A typical terminal like view is provided for the user to run the commands, have a history of executed commands, see their statuses, switch views for instances,etc