SmartPrise Cloud Manager

What is SCM?

SmartPrise Cloud Manager is a unified cross-cloud management console which Provisions, Configures, Orchestrates, Automates and Monitors the public cloud

Technology Used

Software Components	Software
Platform	JAVA, Sun JDK 1.6.
Web Server	Tomcat6.0
Database Server	MYSQL Server 5.0
UI	ICEfaces 1.8 and JSF 1.8

Technical Features

EC2	
Manage EC2 Instances	➢ List, Describe, Start , Stop, Sorting, Terminate instances. ➢ Filter Instances by platform, state. ➢ Show systems log.
Manage AMIs	➢ List, Describe, Sort, Search, ➢ Listed AMIs by OS, Architecture (32/64 bit), Amazon AMI, My AMI, AKI's & ARI's, EBS Root Device ➢ Launch instance ➢ Register and De-Register AMI's
Manage Key Pairs	➢ Create, Delete, List, Describe key pair(s)
Manage Volumes	➢ List, Describe, Create, Delete, Attach, Detach Volume(s) ➢ Create snapshots from volumes ➢ Attach and detach volumes to instance
EC2	

Manage Snapshots	➢ List, Describe, Create, Delete and Tag Snapshots ➢ Create volume from snapshot
Manage Elastic IPs	➢ Allocate, Release, Associate, disassociate IP address ➢ Filter by all address, associate address and disassociate address ➢ Search on elastic IP
Networking and Security	➢ List all, Create, Delete security groups ➢ Grant and Revoke Permissions ➢ Assign port(s)
Dashboard	➢ Displaying Current status ➢ Listing user resources
General	➢ List Availability Zones ➢ Sorting
S3	
S3 Management	➢ List, Create, Delete Buckets ➢ List Bucket Properties ➢ List Meta-data of a Bucket
Bucket Management	➢ Create, Delete, Open, Rename, List Properties, List Meta-data of an Object ➢ List Objects in Bucket ➢ Download and Upload Object(s) (To and From the AWS cloud) ➢ Manage Bucket Access Control Policy, Bucket Object Level Permission ➢ Enable/Disable Logging for Bucket ➢ Create, Delete, Rename Folder(s) in the bucket ➢ Manage Bucket Versions ➢ Display bucket size ➢ List Objects in folder

Business Features and Benefits

Features	Benefits

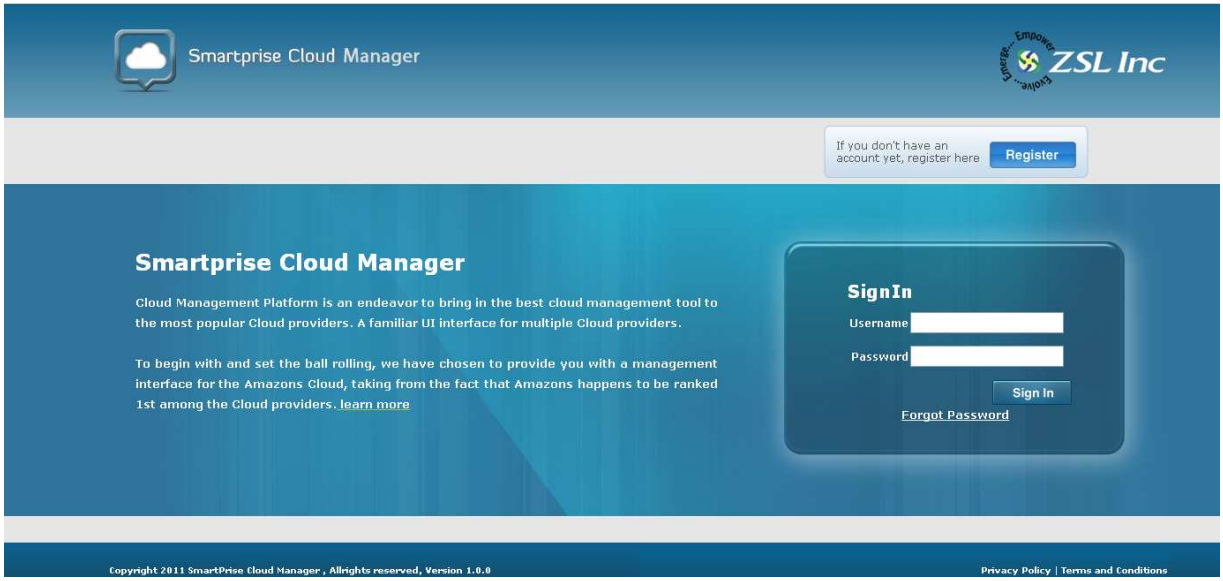
An All-In-One Solution for public cloud: Available as an integrated, all-in-one solution. A Multi-Cloud Management for public clouds.	Support for Multiple Clouds like Amazon, OpSource, Rackspace, Azure etc, so Organizations need not consider a combination of products from different vendors with the inherent compatibility and support responsibility issues.
Provisioning: Installation of operating systems and other software.	Rapidly setup of network installation environments.. Remote provision and manage your servers by scripting it out and by running commands. Easily configure applications that require knowledge about your entire infrastructure.
Configuration Management: Sets the parameters for servers, can specify installation parameters	Quickly deploy across multiple servers in the cloud The right box gets the right configuration, automatically, every time. Simulate deployments, giving you the agility to make small and big changes without disruption to your infrastructure. Automatically maintain asset inventory. Every change is reported and SCM keeps your systems in their desired state.
Orchestration/Automation: Supports progressive deployment in live environments	Automate tasks across systems and build server orchestration or parallel job execution systems. Primarily used as a means of programmatic execution of Systems Administration actions on clusters of servers.
Features	Benefits
Monitoring: Records errors and health of IT infrastructure	Distributed monitoring solution for your cloud. Remote any manual intervention. Events are triggered when things go wrong.
Delegated control:	Delegate control to authorized users. Frees the IT infrastructure team from the need to provision and manage every instance thus increasing agility and flexibility.
User Interface: Very intuitive and Common User Interface for all cloud providers.	Simple, intuitive, web based context and process aware graphical user interface. Single point of control that can be immediately accessed by any authorized user from any location. Easy to understand and operate, reducing training times, and promoting user confidence.
SaaS Model: No installation, SaaS Model	No installation required for organizations. Organizations can leverage SaaS capabilities and pay a subscription model.
Licensing: Flexible licensing	Flexible licensing available, different subscription options available through Silver, Gold and Platinum packages.

Features	Benefits
API: Simple, flexible and common API for connecting and managing multiple Cloud Providers.	
Standards based:	Allows interfacing with third party products and systems, interoperability, selection of components to corporate standards, and rapid support of new and additional products and devices.

Competitors' vs. zsl

Competitors	ZSL
Focus is only on Amazon, currently	Support for Multiple Clouds like Amazon, OpSource, Rackspace, Azure etc. (Major)
Multiple solutions have to be integrated to form a complete cloud solution.	Available as an integrated, all-in-one or modular solution. (Major)
Not applicable or different interfaces	Single unified interface (Minor)
Focus is one or two of Provisioning, Configuration Management, Orchestration and Monitoring.	Focus is on Provisioning, Configuration Management, Orchestration and Monitoring. (Major)
More feature driven – targeted towards Technical audience	More process driven (based on Wizards) - – targeted towards Business and Technical audience (Minor)

Snapshots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Cloud Management Platform is an endeavor to bring in the best cloud management tool to the most popular Cloud providers. A familiar UI interface for multiple Cloud providers.
To begin with and set the ball rolling, we have chosen to provide you with a management interface for the Amazons Cloud, taking from the fact that Amazons happens to be ranked 1st among the Cloud providers. learn more
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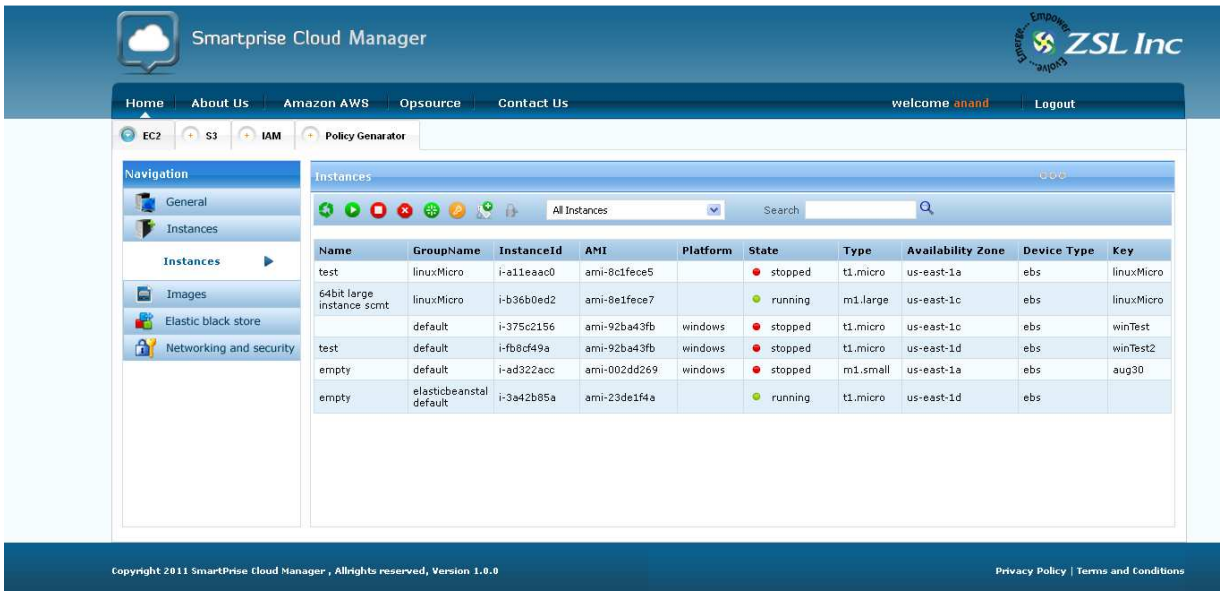
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ami-8c1fece5
stopped
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ebs
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i-b36b0ed2
ami-8e1fece7
running
m1.large
us-east-1c
ebs
linuxMicro
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empty
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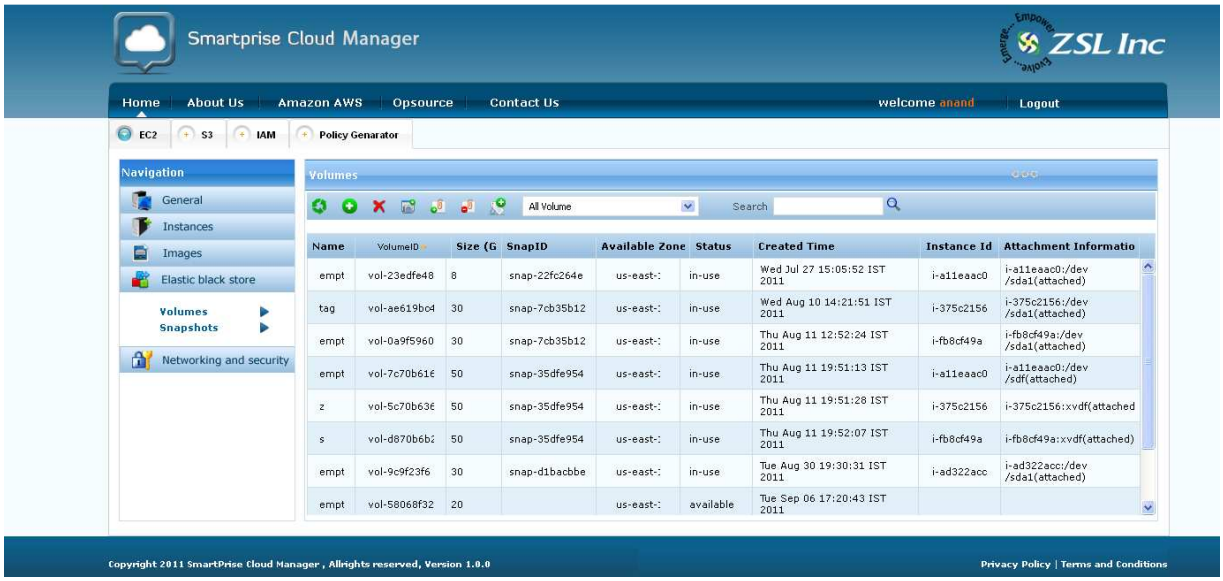
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Created Time
Instance Id
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empt vol-23edfe48 8 snap-22fc264e us-east-: in-use Wed Jul 27 15:05:52 IST 2011 i-a11eaac0 i-a11eaac0:/dev /sda1(attached)
tag vol-ae619bc4 30 snap-7cb35b12 us-east-: in-use Wed Aug 10 14:21:51 IST 2011 i-375c2156 i-375c2156:/dev /sda1(attached)
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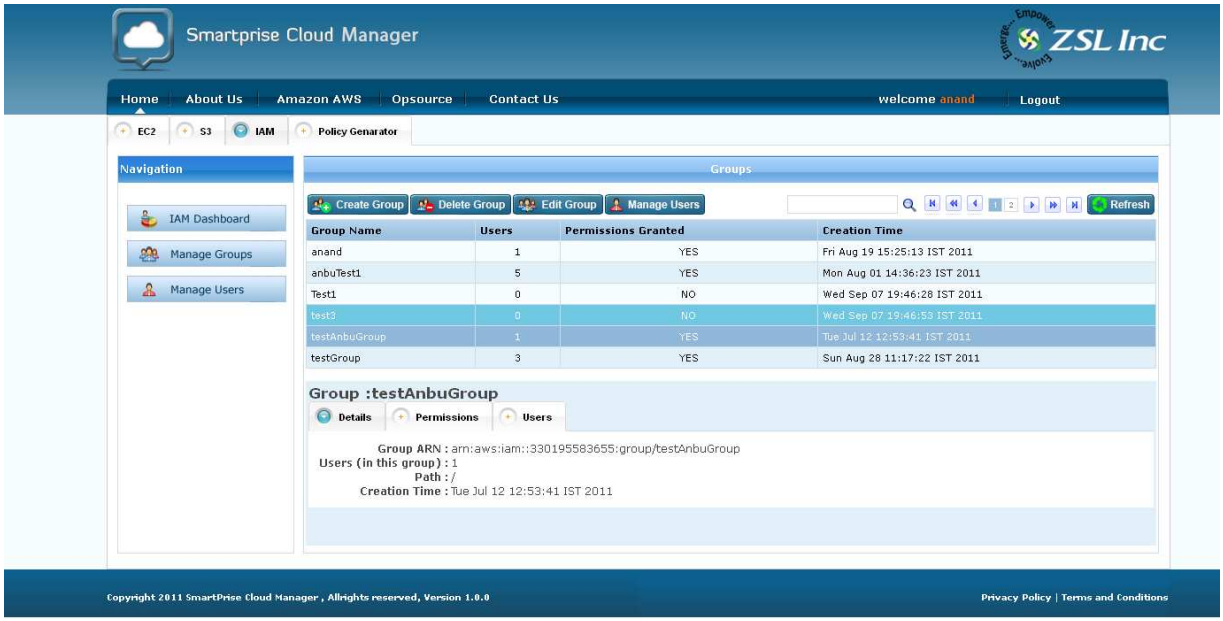
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Manage Users
Groups
Create Group
Delete Group
Edit Group
Manage Users
Refresh
Group Name
Users
Permissions Granted
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anbuTest1 5 YES Mon Aug 01 14:36:23 IST 2011
Test1 0 NO Wed Sep 07 19:46:28 IST 2011
test3 0 NO Wed Sep 07 19:46:53 IST 2011
testAnbuGroup 1 YES Tue Jul 12 12:53:41 IST 2011
testGroup 3 YES Sun Aug 28 11:17:22 IST 2011
Group :testAnbuGroup
Details
Permissions
Users
Group ARN : arn:aws:iam::330195583655:group/testAnbuGroup
Users (in this group) : 1
Path : /
Creation Time : Tue Jul 12 12:53:41 IST 2011
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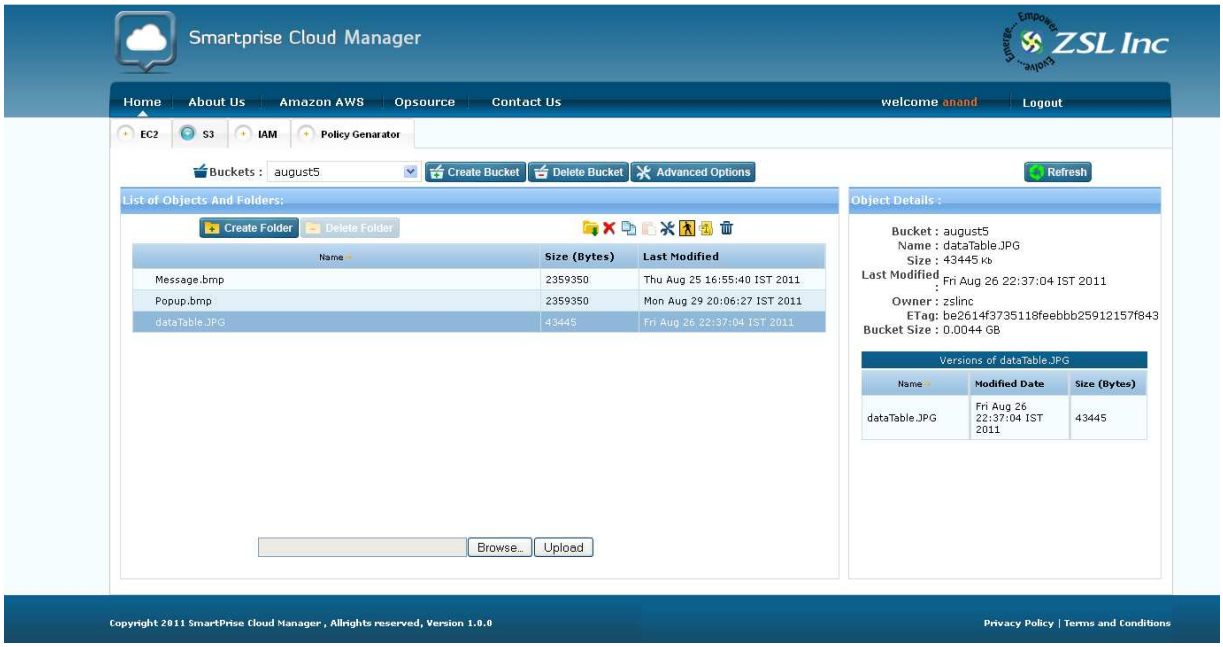
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Refresh
List of Objects And Folders:
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Delete Folder
Name
Size (Bytes)
Last Modified
Message.bmp
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dataTable.JPG
43445
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Bucket Size : 0.0044 GB
Versions of dataTable.JPG
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Size (Bytes)
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43445
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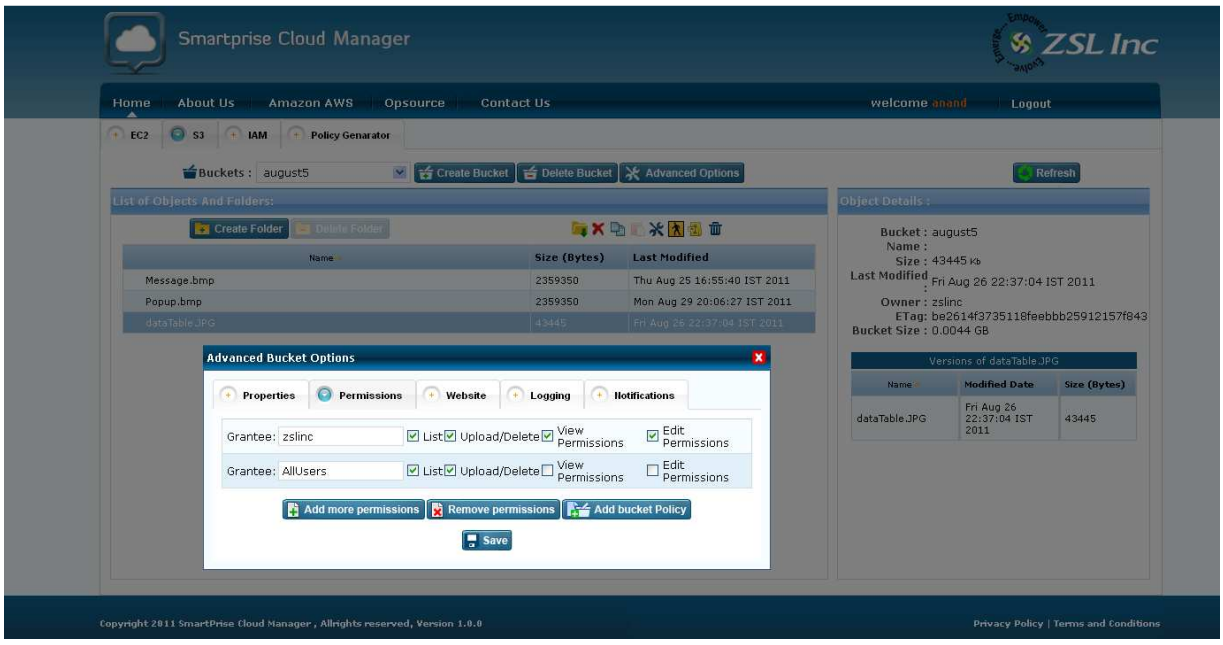
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Notifications
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Upload/Delete
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Edit Permissions
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List
Upload/Delete
View Permissions
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Remove permissions
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