Cloud Control Panel
Implementation on CA AppLogic platform

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CA AppLogic platform
Solution for cloud computing environment

- Turnkey cloud platform
  - Fast, efficient delivery of business services via a SaaS-based mode
  - Hardware and software components virtualized and accessible via catalog

- Easy method of remotely deploying and managing applications at branch locations
- Automatic scaling features
- Ability to quickly and easily replicate similar applications or multiple instances of an application
- Lower hardware costs by using commodity x86 servers, common switches and other hardware
Who’s it for?
Use the CCP application potential in your business process

- **The Enterprise**
  - Introduce greater agility & flexibility to your development, provisioning & management processes

- **Service Providers**
  - Offer, Control & Meter, cloud servers, cloud applications and enterprise-class private clouds

- **SaaS Vendors**
  - Central control of Service Delivery including: development, infrastructure, deployment & multi-instance management
CCP application design

- The CCP is a multi-module N-tier CentOS / Apache / PHP / Oracle application that acts as a middle layer between various end-users and the native CA AppLogic Cloud platform.

- Deploys as any other AppLogic application

- One CCP instance can control multiple private cloud instances on different geographical locations
Technology and Design of the CCP application
About CCP

Key software features

- Enhance the Service Design & Management capabilities
- End-User control
- Ordering automation
- Resource Metering
- API for integration with external business software
- Embedding external custom content
- Customizable visual interface, CSS, images and localization
Automated provisioning

- Distributing the workload by enabling end-user capabilities
- Enables automatic provisioning from templates that are created for CA AppLogic
Automated provisioning

Server Resources

Web Content
- CPU: MIN 0 MAX 1.5
- RAM (MB): MIN 0 MAX 2048
- Web Disk (GB): MIN 0 MAX 10G

MySQL Database
- CPU: MIN 0 MAX 0.5
- RAM (MB): MIN 0 MAX 512M
- Db Disk (GB): MIN 0 MAX 10G

Web Server 1
- CPU: MIN 0 MAX 2
- RAM (MB): MIN 0 MAX 1536

Web Server 2
- CPU: MIN 0 MAX 0.75
- RAM (MB): MIN 0 MAX 1024

Server Parameters
- Cloud Server Name (End-Use)
- Cloud Server Description

Login
- Username
- Password

Customer Details
- First Name
- Address

Customize your resources
CCP End User options
Managing, Configuring your applications
CCP End-User options

Property settings

- Added usability and comfort to end-users
- CCP Admin controls level of allowed customization
- CCP Metadata in action

Cloud server Settings

FTP server

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary IP</td>
<td>217.26.218.176</td>
</tr>
<tr>
<td>Hostname</td>
<td>changeme</td>
</tr>
<tr>
<td>Primary DNS</td>
<td>217.26.218.161</td>
</tr>
<tr>
<td>Secondary DNS</td>
<td>62.204.39.56</td>
</tr>
<tr>
<td>Root password</td>
<td></td>
</tr>
<tr>
<td>Username</td>
<td>admin</td>
</tr>
<tr>
<td>Password</td>
<td></td>
</tr>
<tr>
<td>Secondary IP address</td>
<td></td>
</tr>
</tbody>
</table>

Caution: Changing any of the above values will result in a full application restart.
CCP End-User options
Changing Cloud App resources

- On-demand resource control

### Change Resources

**Component list in CWL_app1**

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESLAPP1</td>
<td></td>
</tr>
<tr>
<td>ESLAPP2</td>
<td></td>
</tr>
<tr>
<td><strong>ESLCP1</strong></td>
<td></td>
</tr>
<tr>
<td>ESLDB1</td>
<td></td>
</tr>
<tr>
<td>ESLDB2</td>
<td></td>
</tr>
<tr>
<td>Nagios appliance</td>
<td></td>
</tr>
<tr>
<td>VPN appliance</td>
<td></td>
</tr>
</tbody>
</table>

#### ESLCP1 Resources

<table>
<thead>
<tr>
<th></th>
<th>Min</th>
<th>Current</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cpu</td>
<td>0.25</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Mem</td>
<td>768M</td>
<td>1.5G</td>
<td>4G</td>
</tr>
</tbody>
</table>

[Save & Restart Component]
Admin CCP for Cloud Service designers

- Enables the Cloud Service Designer to define exactly how a cloud service, based on any AppLogic template, is presented to the end-user.
- Control exactly how service is ordered, deployed, configured, managed, consumed and metered – automatically!
- System Management for orders, user accounts, emails, parameters and constants
- Job Monitoring console with history
- IP pools, Subnets and Vlans
- Embedding external content via Snippets
### Private Cloud List

<table>
<thead>
<tr>
<th>Cloud Name</th>
<th>Description</th>
<th>IP Address</th>
<th>Private Cloud name</th>
<th>Version</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUnetGrid</td>
<td>EUnet Grid 2.9.9 SC</td>
<td>217.26.213.254</td>
<td>EUnetProd1</td>
<td>2.9.9</td>
<td>ACTIVE</td>
</tr>
<tr>
<td>TNRGrid2</td>
<td>Telenor Grid 3.0.30</td>
<td>94.127.1.254</td>
<td>ProdTNR2</td>
<td>3.0.30</td>
<td>ACTIVE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
AppLogic Micro Unit

- Private micro-cloud solutions for independent software vendors
- AppLogic Mu private microcloud offers the most affordable entry-level, preinstalled, fully-supported AppLogic environment
- Supermicro®’s 2U Intel-based rack server
- Cloud Control Panel included 😊
- Training, Education and Support
Thank You

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