

# Cloud Resource Naming Conventions

Please follow the naming convention bellow to help consistent provisioning of AWS resources.

Item	Formatting Style
Determined by Construct	<b>{{construct_name}}</b>
Entered by User	<i>{{item_name}}</i>
Optional Text based on use	<u>[[namingq]]</u>
To be Included "AS IS"	<b>wording</b>



For Updates to items already present, please use the inline-comment feature. For new additions which are not below, use the page comments (which will be deleted when resolved).

- [Naming Constructs](#)
- [AWS Resource Naming Standards](#)
  - [CloudFormation Naming Standards](#)
  - [AWS Account Items](#)
  - [VPC Resource Naming Standards](#)
  - [EC2 Resource Naming Standards](#)
  - [S3 Resource Naming Standards](#)
  - [Lambda Function Naming Standard](#)
  - [RDS Resource Naming Standards](#)
  - [Elasticache Resource Naming Standards](#)
  - [CodeDeploy Resource Naming Standards](#)
  - [IAM Resource Naming Standards](#)
  - [Cloudwatch Resource Naming Standards](#)
  - [SNS Resource Naming Standards](#)
  - [SQS Resource Naming Standards](#)
  - [CloudOps Tool Naming Standards](#)
  - [Package Names for CAR](#)
  - [Splunk Index Naming](#)
  - [Git Repository](#)
  - [DynamoDB Tables](#)
  - [CloudWatch Log Groups](#)
  - [Elastic File System](#)
  - [Ansible Tower](#)
- [Page History](#)



1. Dashes are required as entered, do not remove them
2. Spaces are left for legibility reasons around dashes, they are not to be included in the name
3. Delimiters are not to be substituted into areas which are components of the name. Where clarity is needed for a veryLongName use modifiedCamelCase



If you need to deviate from standards, please contact your team architect. It will get added to the standard as appropriate (e.g. "search" for a tier type)

## Naming Constructs

AWS Resource	Resource Name	Comment	Example
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Account Naming Construct	<code>{{teamName}} - {{environment}} - {{context}}</code>	<p>teamName should be the name of the application team providing support</p> <ul style="list-style-type: none"> <li>• atsea</li> <li>• dms</li> </ul> <p>Environment should be one of:</p> <ul style="list-style-type: none"> <li>• prod</li> <li>• dev</li> </ul> <p>Context should be one of:</p> <ul style="list-style-type: none"> <li>• standard</li> <li>• level4 (for Level 4 specific accounts)</li> <li>• bcdr (only for bcdr exclusive accounts)</li> </ul>	<p>admints-dev-standard</p> <p>admints-prod-standard</p> <p>admints-prod-level4</p>
App Naming Construct	<code>{{appName}} - {{environment}} [[number]]-[[region]]-{{scope}} [[number]]</code>	<p>Environment should be one of:</p> <ul style="list-style-type: none"> <li>• prod</li> <li>• int</li> <li>• uat</li> <li>• stage</li> <li>• test</li> <li>• dev</li> <li>• blue</li> <li>• green</li> </ul> <p>Scope should be used if necessary and can reflect components of an application</p> <ul style="list-style-type: none"> <li>• auth</li> <li>• solr</li> <li>• app</li> <li>• web</li> <li>• cache</li> <li>• master</li> <li>• worker</li> <li>• nfs</li> </ul> <p>If multiple are needed, increment number.</p> <p>Region is optional and should be used when necessary (e. g. BC/DR)</p>	<p>takeasweater-dev</p> <p>takeasweater-stage</p> <p>takeasweater-test</p> <p>takeasweater-prod</p> <p>ask-prod-auth</p> <p>coursecatalog-prod-solr1</p>

## AWS Resource Naming Standards

### CloudFormation Naming Standards




AWS Resource	Resource Name	Comment	Example
CloudFormation Stack	<p>If this stack is universal and <b>not</b> application specific:</p> <p><code>{{account_naming_construct}} - {{stack_group}} - cf</code></p> <p>If this stack is application specific:</p> <p><code>{{appname_construct}} - {{stack_group}} - cf</code></p>	<p>stack_group should be one of:</p> <ul style="list-style-type: none"> <li>• ALL - includes all stack types</li> <li>• VPC - All VPC resources</li> <li>• NAT - NAT servers for the VPC</li> <li>• SG - Security Groups</li> <li>• IAM - IAM roles used instances and CodeDeploy</li> <li>• ELB - Elastic Load Balancer</li> <li>• ASGLC - AutoScaling Group and Launch Configuration</li> <li>• CW - CloudWatch monitoring</li> <li>• RDS - Databases, options groups, parameter groups</li> <li>• RDSREPLICA - Replica/slave database instances</li> <li>• S3 - S3 buckets</li> <li>• CONFIG - Config Rules</li> </ul>	<p>admints-prod-level4-vpc-cf</p> <p>or</p> <p>takeasweater-prod-all-cf</p> <p>or</p> <p>takeasweater-prod-iam-cf</p>
CloudFormation ChangeSet	<p>If this stack is universal and <b>not</b> application specific:</p> <p><code>{{account_naming_construct}} - {{dateGenerated}} - cset</code></p> <p>If this stack is application specific:</p> <p><code>{{appname_construct}} - {{dateGenerated}} - cset</code></p>	<p>Date Generated should follow:</p> <p>YYYYMMDDHHMM</p> <p>Any additional information about the change set should be included in the description of the changeset</p>	<p>admints-prod-level4-201704201100-cset</p> <p>or</p> <p>takeasweater-prod-201704201100-cset</p>

## AWS Account Items

AWS Resource	Resource Name	Comment	Example
AWS Account Name	<b>{{account_naming_construct}}</b>	 Not all P-env's require a separate account	admints-dev-standard admints-prod-level4
AWS Account Email	<b>luit-cloudops-awsaccounts + {{teamName}} - {{environment}}@calists.harvard.edu</b>	Environment should be one of: <ul style="list-style-type: none"> <li>• P = prod</li> <li>• P-1 = stage</li> <li>• P-2 = test</li> <li>• P-3 = dev</li> </ul>  Not all P-env's require a separate account	<a href="mailto:luit-cloudops-awsaccounts+admints-dev@calists.harvard.edu">luit-cloudops-awsaccounts+admints-dev@calists.harvard.edu</a>  If account naming conflicts exist, such as a single group owns a standard account as well as a level4 account, abbreviate {{context}} to make a clear differentiation. e. g. admints-prod and admints-prod-l4   There is a 64 character limit on the AWS Account Email Address form input


## VPC Resource Naming Standards

AWS Resource	Resource Name	Comment	Example
VPCs	<b>{{account_naming_construct}} - vpc</b>	<ul style="list-style-type: none"> <li>• level4               <ul style="list-style-type: none"> <li>• for Level 4 VPC's inside non-l4 specific accounts</li> </ul> </li> <li>• bcdr               <ul style="list-style-type: none"> <li>• only for bcdr exclusive accounts</li> </ul> </li> </ul>	admints-dev-standard-vpc admints-stage-standard-vpc admints-prod-standard-vpc admints-prod-level4-vpc admints-prod-bcdr-vpc
Subnets	<b>{{account_name_construct}} - {{subnetType}} - {{routeType}} - {{az}} - {{number}}</b>	Subnet Type should be one of: <ul style="list-style-type: none"> <li>• app</li> <li>• elb</li> <li>• db</li> <li>• cache</li> <li>• nat</li> <li>• web</li> <li>• data</li> </ul> Number: <ul style="list-style-type: none"> <li>• Starts at 1, only increments if we have outgrown that AZ's subnet</li> </ul>	admints-dev-standard-app-private-1a-1 admints-stage-standard-elb-public-1b-1 admints-prod-standard-db-private-1c-1 admints-prod-level4-web-private-1d-1
VPC Peering Link	<b>{{account_naming_construct_of_target}} - {{scope of target}} - vpc-peerlink</b>	The items to be written should be that of the remote end of the VPC Peering Link	Example link between admints and sharedservices <ul style="list-style-type: none"> <li>• admints-prod-standard-vpc-peerlink</li> <li>• sharedservices-prod-standard-vpc-peerlink</li> </ul>

Route Tables	<b>{{account_naming_construct}}</b> - <b>{{routeType}}</b> - <b>rt</b> <b>[[ - zone]]</b>	<p>Route type is one of the following:</p> <ul style="list-style-type: none"> <li>public</li> <li>private</li> </ul> <div style="border: 1px solid #ffc107; padding: 5px; margin: 10px 0;">  If the route table is distinct for each AZ (e.g. you are routing to different NATs), you must add the following Zone </div> <p>Zone should be #! (e.g 1a, 1b, 1c, 1d, 1e)</p>	<p>admints-dev-standard-private-rt-1a</p> <p>admints-dev-standard-public-rt</p>
DHCP Option Sets	<b>{{account_naming_construct}}</b> - <b>dhcptions</b>	Please Reference <a href="#">VPC Setup: DHCP Option Sets Required Settings</a>	admints-dev-standard-dhcptions
Network ACL	<b>{{account_naming_construct}}</b> - <b>{{nac1Type}}</b> } - <b>nacl</b>	<p>NACL Types should reference why they exist (dnsout, etc)</p> <div style="border: 1px solid #ffc107; padding: 5px; margin: 10px 0;">  Please note that these are not required and not great to use </div>	admints-dev-dnsout-nacl
Virtual Private Gateway	<b>{{account_naming_construct}}</b> - <b>{{scope}}</b> - <b>vgw</b>	<p>Scope should be one of (only if colocated in a "standard" account)</p> <ul style="list-style-type: none"> <li>level4 <ul style="list-style-type: none"> <li>for Level 4 VPC's inside non-l4 specific accounts</li> </ul> </li> <li>bcdr <ul style="list-style-type: none"> <li>only for bcdr exclusive accounts</li> </ul> </li> </ul> <div style="border: 1px solid #ffc107; padding: 5px; margin: 10px 0;">  This should match the VPC naming </div>	

## EC2 Resource Naming Standards

AWS Resource	Resource Name	Comment	Example
Elastic Load Balancer	<b>{{appname_construct}}</b> - <b>e1b</b>	All new ELBs should be internal	<p>takeasweater-dev-elb</p> <p>takeasweater-stage-web-elb</p> <p>takeasweater-prod-web1-elb</p>
Launch Configuration	<b>{{appname_construct}}</b> - <b>{{dateGenerated}}</b> - <b>lc</b>	<div style="border: 1px solid #6c757d; padding: 5px; margin: 10px 0;">  dateGenerated only required if manually created </div> <p>Date should be in the form: YYYYMMDDHHMM</p> <p>Hours should be in 24 hour format</p>	<p>car-prod-web-201511041708-lc</p> <p>maximo-dev-nfs-201511091000-lc</p> <p>fastcat-prod-app-lc</p> <p>coursecatalog-prod-app-lc</p>
AutoScaling	<b>{{appname_construct}}</b> - <b>asg</b>		<p>takeasweater-prod-app-asg</p> <p>takeasweater-prod-asg</p>

Security Groups	<p><b>{{appname_construct}}[[number]] - {{resource_name}} - sg</b></p> <p>Account level Security Group resources:</p> <p><b>{{account_naming_construct}}[[number]] - {{account_level_resource_name}} - sg</b></p>	<p>Resource Name can be one of:</p> <ul style="list-style-type: none"> <li>• elb</li> <li>• efs</li> <li>• nfs</li> <li>• instance</li> <li>• db</li> <li>• mgmt</li> </ul> <ul style="list-style-type: none"> <li>• for bastion and direct Harvard management access only</li> </ul> <p>If multiple are needed, increment number.</p> <p>Account level resource name:</p> <ul style="list-style-type: none"> <li>• nat</li> </ul>	<p>takeasweater-dev-elb-sg</p> <p>takeasweater-prod-web-mgmt-sg</p> <p>takeasweater-prod-web01-instance-sg</p> <p>takeasweater-prod-web02-instance-sg</p>
Instances	<p><b>{{appname_construct}} [[- ec2asg]]</b></p> <p>Account level instance resources:</p> <p><b>{{account_naming_construct}} - {{account_level_instance_scope}} [[- ec2asg]]</b></p>	<p>If generated by an Autoscaling Group add "-ec2asg"</p> <p>Account level Instance Scope:</p> <ul style="list-style-type: none"> <li>• nat</li> </ul>	<p>takeasweater-dev-app</p> <p>takeasweater-prod-cache</p> <p>takeasweater-prod-web-ec2asg</p>
AMIs	<p><b>{{appname_construct}} - ami</b></p>		<p>nagiosxi-prod-master-ami</p>
SSH Pem Keys	<p><b>{{account_naming_construct}} - {{appname_construct}} - {{dateGenerated}}</b></p>	<p>Date should be in the form:</p> <p>YYYYMMDD</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  .pem will be added by AWS on download </div>	<p>admins-dev-standard-takeasweater-dev-web-20151102.pem</p>

## S3 Resource Naming Standards

AWS Resource	Resource Name	Comment	Example
S3 Buckets	<b>{{teamName}} - {{environment}} - {{scope}} - bucket</b>	<p>Environment should be one of:</p> <ul style="list-style-type: none"> <li>• P = prod</li> <li>• P-1 = stage</li> <li>• P-2 = test</li> <li>• P-3 = dev</li> </ul> <p>Scope can be one or the following</p> <ul style="list-style-type: none"> <li>• elblogs</li> </ul>	<p>admins-dev-bucket</p> <p>admins-dev-elblogs-bucket</p>

## Lambda Function Naming Standard

AWS Resource	Resource Name	Comment	Example
Lambda Function	<p><b>{{appname_construct}} - {{function_scope}} - lambda-function</b></p> <p>Account level function resources:</p> <p><b>{{account_naming_construct}} - {{function_scope}} - lambda-function</b></p>	<p>Function scope should be one of the following:</p> <ul style="list-style-type: none"> <li>• autodeploy</li> <li>• cfoutputs</li> </ul>	<p>takeasweater-prod-autodeploy-lambda-function</p> <p>campussvcs-prod-standard-cfoutputs-lambda-function</p>

## RDS Resource Naming Standards

AWS Resource	Resource Name	Comment	Example
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RDS (DB Instance Name)	<code>{{appname_construct}} - {{db_type}} - {{deployment_type}}</code>	<p>DB Type is one of the following:</p> <ul style="list-style-type: none"> <li>• oracle</li> <li>• mysql</li> <li>• postgres</li> <li>• maria</li> <li>• aurora</li> </ul> <p>Deployment Type is one of the following:</p> <ul style="list-style-type: none"> <li>• multiaz</li> <li>• standalone</li> <li>• slave <ul style="list-style-type: none"> <li>• Used when making Read Slaves in RDS</li> </ul> </li> </ul>	<p>takeasweater-prod-oracle-standalone</p> <p>takeasweater-prod-mysql-multiaz</p> <p>takeasweater-prod-aurora-slave</p>
RDS (Subnet Group)	<code>{{appname_construct}} - {{db_type}} - {{deployment_type}} - subnetgroup</code>	<p>DB Type is one of the following:</p> <ul style="list-style-type: none"> <li>• oracle</li> <li>• mysql</li> <li>• postgres</li> <li>• maria</li> <li>• aurora</li> </ul> <p>Deployment Type is one of the following:</p> <ul style="list-style-type: none"> <li>• multiaz</li> <li>• standalone</li> <li>• slave <ul style="list-style-type: none"> <li>• Used when making Read Slaves in RDS</li> </ul> </li> </ul>	<p>takeasweater-prod-oracle-standalone-subnetgroup</p> <p>takeasweater-prod-mysql-multiaz-subnetgroup</p> <p>takeasweater-prod-aurora-slave-subnetgroup</p>
RDS (Option Group)	<code>{{appname_construct}} - {{db_type}} - {{deployment_type}} - optiongroup</code>	<p>DB Type is one of the following:</p> <ul style="list-style-type: none"> <li>• oracle</li> <li>• mysql</li> <li>• postgres</li> <li>• maria</li> <li>• aurora</li> </ul> <p>Deployment Type is one of the following:</p> <ul style="list-style-type: none"> <li>• multiaz</li> <li>• standalone</li> <li>• slave <ul style="list-style-type: none"> <li>• Used when making Read Slaves in RDS</li> </ul> </li> </ul>	<p>takeasweater-prod-oracle-standalone-optiongroup</p> <p>takeasweater-prod-mysql-multiaz-optiongroup</p> <p>takeasweater-prod-aurora-slave-optiongroup</p>
RDS (Parameter Group)	<code>{{appname_construct}} - {{db_type}} - {{deployment_type}} - paramgroup</code>	<p>DB Type is one of the following:</p> <ul style="list-style-type: none"> <li>• oracle</li> <li>• mysql</li> <li>• postgres</li> <li>• maria</li> <li>• aurora</li> </ul> <p>Deployment Type is one of the following:</p> <ul style="list-style-type: none"> <li>• multiaz</li> <li>• standalone</li> <li>• slave <ul style="list-style-type: none"> <li>• Used when making Read Slaves in RDS</li> </ul> </li> </ul>	<p>takeasweater-prod-oracle-standalone-paramgroup</p> <p>takeasweater-prod-mysql-multiaz-paramgroup</p> <p>takeasweater-prod-aurora-slave-paramgroup</p>

## Elasticache Resource Naming Standards

AWS Resource	Resource Name	Comment	Example
ElastiCache	<code>{{appname_construct}} - {{cache_type}} - {{deployment_type}}</code>	Cache Type is one of the following: <ul style="list-style-type: none"> <li>• memcached</li> <li>• redis</li> </ul> Deployment Type is one of the following: <ul style="list-style-type: none"> <li>• multiaz</li> <li>• standalone</li> <li>• slave               <ul style="list-style-type: none"> <li>• Used when making Redis Read Slaves in RDS</li> </ul> </li> </ul>	takeasweater-prod-memcached-standalone takeasweater-prod-redis-multiaz takeasweater-prod-redis-slave

## CodeDeploy Resource Naming Standards


AWS Resource	Resource Name	Comment	Example
Code Deploy Deployment Group	<code>{{appname_construct}} - {{scope}} - dg</code>	Scope Can be one of the following: <ul style="list-style-type: none"> <li>• app</li> <li>• web</li> <li>• cache</li> </ul>	takeasweater-prod-app-dg takeasweater-dev-web-dg

## IAM Resource Naming Standards

AWS Resource	Resource Name	Comment	Example
IAM User	Administrators: <b>first_last</b> Service Accounts: <b>service_name</b>	IAM user names should mirror the users @harvard.edu email address	robert_ruma thomas_vachon cloud_endure
IAM Group	<code>{{appname_construct}} - {{group_purpose}} - iam - group</code> Note: There will be a standard naming structure for account level group resources: <code>{{account_naming_construct}} - {{group_purpose}} - {{access_level}} - iam - group</code>	Application group purpose can be one of the following: <ul style="list-style-type: none"> <li>• readonly</li> <li>• poweruser</li> <li>• administrator</li> </ul> Account level group purpose can be one of the following: <ul style="list-style-type: none"> <li>• forcemfa</li> <li>• cloudendure</li> <li>• administrator</li> </ul> Option account level group access can be one of the following: <ul style="list-style-type: none"> <li>• administrator</li> <li>• poweruser</li> <li>• readonly</li> <li>• isolated-by-tag</li> </ul>	takeasweater-prod-readonly-iam-group takeasweater-dev-administrator-iam-group admints-dev-standard-forcemfa-iam-group

IAM Role (via SAML)	<p><b>{{account_naming_construct}} - saml - {{group_purpose}} - iam - role@us-east-1</b></p> <p>Note: There will be a standard naming structure for app level roles resources:</p> <p><b>{{appname_construct}} - saml - {{group_purpose}} - iam - role@us-east-1</b></p>	<p>Account group purpose can be one of the following:</p> <ul style="list-style-type: none"> <li>• admin</li> <li>• poweruser</li> <li>• readonly</li> <li>• (More can be added as required)</li> </ul> <p>Account level group purpose can be one of the following:</p> <ul style="list-style-type: none"> <li>• fullaccess</li> <li>• readonly</li> </ul>	<p>cloudhacks-dev-standard-saml-admin-iam-role@us-east-1</p> <p>takeasweater-prod-saml-readonly-iam-role@us-east-1</p>
IAM Roles	<p><b>{{appname_construct}} - {{role_purpose}} - iam - role</b></p>	<p>Role Purpose can be one of the following:</p> <ul style="list-style-type: none"> <li>• autodeploy</li> <li>• s3access</li> <li>• securitymonkey</li> <li>• datapipeline</li> <li>• ebssnapshot</li> <li>• lambdaexecute</li> </ul>	<p>takeasweater-prod-autodeploy-iam-role</p> <p>takeasweater-dev-s3access-iam-role</p>
Instance Role	<p><b>{{appname_construct}} - {{role_type}} - iam - ec2role</b></p>	<p>Role Purpose can be one of the following:</p> <ul style="list-style-type: none"> <li>• app</li> <li>• web</li> <li>• cache</li> <li>• master</li> <li>• worker</li> <li>• nfs</li> </ul>	<p>takeasweater-prod-app-iam-ec2role</p> <p>takeasweater-dev-cache-iam-ec2role</p>
IAM Policy	<p><b>{{appname_construct}} - {{product_used}} - {{level_of_access}} - iam - policy</b></p> <p>Note: There will be a standard naming structure for account level policy resources:</p> <p><b>{{account_naming_construct}} - {{product_used}} - {{level_of_access}} - iam - policy</b></p>	<p>Product Used must be one of the AWS product names such as:</p> <ul style="list-style-type: none"> <li>• ec2</li> <li>• s3</li> <li>• lambda</li> <li>• codedeploy</li> <li>• sqs</li> </ul> <p>Account level product names can be one of the following:</p> <ul style="list-style-type: none"> <li>• securitymonkey</li> <li>• osaccounts</li> <li>• cloudendure</li> <li>• cfoutputs</li> </ul> <p>Level of Access must be one of the following:</p> <ul style="list-style-type: none"> <li>• readonly</li> <li>• readwrite</li> <li>• isolated-by-tag</li> </ul>	<p>takeasweater-prod-s3-readwrite-iam-policy</p> <p>takeasweater-dev-codedeploy-readonly-iam-policy</p> <p>Note: Instance profiles are a collection of policies added to a role</p>



KMS	<p><b>{{appname_construct}}</b> - <b>{{scope}}</b> - <b>{{type}}</b> - kms</p>	<p>Context should be one of:</p> <ul style="list-style-type: none"> <li>• standard</li> <li>• level4 (for Level 4 Data)</li> <li>• bcdr (only for bcdr exclusive accounts)</li> </ul> <p>Type should be one of:</p> <ul style="list-style-type: none"> <li>• ebs</li> <li>• rds</li> <li>• snowball</li> <li>• s3</li> <li>• redshift</li> <li>• codecommit</li> <li>• cloudtrail</li> <li>• elastictranscoder</li> <li>• ses</li> </ul>	<p>takeasweater-dev-standard-rds-kms</p> <p>takeasweater-prod-standard-ebs-kms</p>
SSL Certificates (for ELB or Cloudfront)	<p><b>{{appname_construct}}</b> - <b>{{product_used}}</b> - <b>{{certificate_type}}</b> - <b>{{certificate_expiry}}</b> - sslcert</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p> These items are treated internally as IAM resources and therefore must be named appropriately</p> </div>	<p>Product Used must be one of the following AWS product names:</p> <ul style="list-style-type: none"> <li>• elb</li> <li>• cloudfront</li> </ul> <p>Certificate Type should be one of the following:</p> <ul style="list-style-type: none"> <li>• domain</li> <li>• wildcard</li> <li>• san</li> </ul> <p>Certificate Expiry should be in the format "YYYYMM"</p>	<p>takeasweater-dev-elb-domain-201601-sslcrt</p> <p>takeasweater-prod-cloudfront-wildcard-201601-sslcrt</p>

## Cloudwatch Resource Naming Standards

AWS Resource	Resource Name	Comment	Example
CloudWatch Alarm	<p><b>{{appname_construct}}</b> - <b>{{instance_id}}</b> - <b>{{alarm_product}}</b> - <b>{{alarm_metric}}</b> - <b>{{check_status}}</b> - cw-alarm</p>	<p>Alarm Product Should be one of the following (lowercased):</p> <ul style="list-style-type: none"> <li>• elb</li> <li>• asg</li> <li>• rds</li> <li>• billing</li> <li>• ebs</li> <li>• lambda</li> <li>• s3</li> <li>• sns</li> <li>• linuxsystem (instance_id must be used)</li> </ul> <p>Alarm Metric should match the metric name in lowercase dashed style such as:</p> <ul style="list-style-type: none"> <li>• http-4xx</li> <li>• http-5xx</li> <li>• volume-queue-length</li> <li>• cpu</li> <li>• memory</li> <li>• swap</li> <li>• diskpace</li> </ul> <p>Check Status should be one of:</p> <ul style="list-style-type: none"> <li>• high</li> <li>• low</li> </ul>	<p>takeasweater-prod-elb-http-4xx-high-cw-alarm</p> <p>takeasweater-prod-rds-max-connections-high-cw-alarm</p>

## SNS Resource Naming Standards


AWS Resource	Resource Name	Comment	Example
SNS Topic	<code>{{appname_construct}} - {{topic_name}} - {{topic_subscription_type}} - sns-topic</code>	<p>Topic name should be a lowercased name for the topic</p> <p>Topic Subscription Type should be one of the following:</p> <ul style="list-style-type: none"> <li>• email</li> <li>• http</li> <li>• sqs</li> <li>• sms</li> <li>• application</li> <li>• lambda</li> </ul>	<p>takeasweater-prod-elbcw-email-sns-topic</p> <p>takeasweater-prod-codedeploy-lambda-sns-topic</p>

## SQS Resource Naming Standards

AWS Resource	Resource Name	Comment	Example
SQS Queue	<code>{{appname_construct}} - {{queue_name}} - sqs</code>	The Queue name should be a lowercased name for the queue	takeasweater-prod-myqueuename-sqs-queue

## CloudOps Tool Naming Standards

### Package Names for CAR



Type	Format	Example	Known Standards Reference
RPM	<p><code>hcdo - {{ package context }}</code></p> <div style="border: 1px solid yellow; padding: 5px; margin-top: 10px;">  Version and architecture are added in the Jenkins build         </div>	<p>hcdo-ansible-role-apache</p> <p>hcdo-ansible-role-postfix</p> <p>hcdo-ansible-role-splunk</p> <p>hcdo-splunk-certs</p> <p>hcdo-cloud-os-accounts</p>	<a href="https://fedoraproject.org/wiki/Packaging:NamingGuidelines">https://fedoraproject.org/wiki/Packaging:NamingGuidelines</a>
DEB			

### Splunk Index Naming

Format	Comment	Example
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<p><b>cloud - {{ teamName }} - {{ environment }}</b></p> <p>Optional for level4 isolation:</p> <p><b>cloud - {{ teamName }} - {{ inner-group }} - {{ environment }}</b></p>	<p>Environment should be one of:</p> <ul style="list-style-type: none"> <li>• prod</li> <li>• uat</li> <li>• stage</li> <li>• test</li> <li>• dev</li> </ul> <p>Values should be lowercase, no spaces</p>	<p>Already created indexes:</p> <p>cloud-acts-dev</p> <p>cloud-acts-prod</p> <p>cloud-admints-dev</p> <p>cloud-admints-test</p> <p>cloud-admints-uat</p> <p>cloud-admints-prod</p> <p>cloud-campuservices-dev</p> <p>cloud-campuservices-prod</p> <p>cloud-cloudops-dev</p> <p>cloud-cloudops-prod</p> <p>cloud-lts-dev</p> <p>cloud-lts-prod</p> <p>cloud-sharedservices-dev</p> <p>cloud-sharedservices-prod</p> <p><b>Optional for level4:</b></p> <p>cloud-admints-researchadmin-prod</p> <p>cloud-admints-researchadmin-dev</p>
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## Git Repository

Type	Format	Comment	Example
Automation Code Repositories	<b>hcdo - {{ code context }} - {{ resource name }}</b>	<p>Code context should be one of the following:</p> <ul style="list-style-type: none"> <li>• ansible-role</li> <li>• cloudformation</li> </ul> <div data-bbox="678 1381 1182 1465" style="border: 1px solid #ffc107; padding: 5px; margin: 10px 0;">  This name should mirror any associated CAR package         </div> <p>Resource name should be the name of the resource the automation code manages.</p>	<p>hcdo-ansible-role-apache</p> <p>hcdo-ansible-role-postfix</p> <p>hcdo-ansible-role-splunk</p> <p>hcdo-cloudformation-rds</p>
Tools Repositories	<b>hcdo - {{ tool name }}</b>	<p>Tool name is specific to the function of the tool.</p> <p>It should reflect a meaningful name.</p> <div data-bbox="678 1749 1182 1833" style="border: 1px solid #ffc107; padding: 5px; margin: 10px 0;">  This name should mirror any associated CAR package         </div>	<p>hcdo-splunk-certs</p> <p>hcdo-cloud-os-accounts</p>

Application Repositories	hcdo - applications - <b>{{teamName}}</b> - <b>{{appName}}</b>	teamName should be the application team name providing support  appName should be the application name without the environment	hcdo-applications-adminits-gmas
Feature Branch	feature/CLOPS-xxx_short_description	CLOPS-xxx should be the JIRA Story or task used to track progress	feature/CLOPS-2713_adding_environment_tag
Bugfix Branch	bugfix/CLOPS-xxx_short_description	CLOPS-xxx should be the JIRA Story or task used to track progress	bugfix/CLOPS-2713_fix_race_condition

## DynamoDB Tables

Format	Comment	Example
<b>{{appName_construct}}</b> - <b>{{context}}</b>	Context may be arbitrary but reflects the use of the table	pidash-dev-osaccounts  pidash-prod-osaccounts

## CloudWatch Log Groups

Format	Comment	Example
<b>{{appName_construct}}</b> - <b>{{source}}</b> - <b>{{context}}</b>	Source should be one of the following (the AWS service the CloudWatch Log is configured with): <ul style="list-style-type: none"> <li>• lambda</li> <li>• vpc</li> </ul> Context may be arbitrary but reflects the context of the use of the log	vpc-flowlog  lambda-dev-autodeploy  lambda-prod-autodeploy  pidash-dev-lambda-deleteebssnapshot  pidash-prod-solr-lambda-deleeteebssnapshot  pidash-dev-lambda-ebssnapsho  pidash-prod-lambda-ebssnapshot

## Elastic File System

Format	Comment	Example
<b>{{appName_construct}}</b> - efs	Context may be arbitrary but reflects the purpose of the storage	github-prod-backup-efs  maximo-test-efs

## Ansible Tower





















Type	Format	Comment	Example
Projects (Generic role)	<b>{{organization}}</b> - <b>ansible</b> - <b>role</b> - <b>{{name}}</b> - <b>{{environment}}</b>	Organization is the Tower organization the resource is a member of  Name should be a unique identifying term related to the technology in use and closely related to the SCM repository name containing the code  Environment refers to the software deployment environment and may be one of: <ul style="list-style-type: none"> <li>• dev</li> <li>• test</li> <li>• stage</li> <li>• prod</li> </ul> The directory layout should follow <a href="#">Ansible best practices</a>	huit-ansible-role-carbonbl ack-prod  huit-ansible-role-rhn-prod

Projects (Application specific)	<b>{{ organization }} - ansible - {{ scope }} - {{ appname_construct }}</b>	<p>Organization is the Tower organization the resource is a member of</p> <p>Appname construct should be closely related to the SCM repository name containing the code</p> <p>Scope is optional and should be used to add context to the function of the project and may be one of:</p> <ul style="list-style-type: none"> <li>• infra</li> <li>• deploy</li> <li>• role</li> <li>• playbook</li> </ul> <p>The directory layout should follow <a href="#">Ansible best practices</a></p>	<p>huit-ansible-deploy-cours ecatalog-prod-solr1</p> <p>huit-ansible-ask-prod-auth</p>
Inventories (Cloud)	<b>{{ account_naming_construct }}</b>	<p>Applies to Amazon EC2 sourced inventories</p>	<p>acts-dev-standard</p> <p>acts-prod-standard</p> <p>ebs-prod-level4</p>
Inventories (On-prem)	<b>onprem - {{ teamName }} - {{ environment }} - hosts</b>	<p>teamName should be the organizational team providing operational support</p> <p>Environment refers to the software deployment environment and may be one of:</p> <ul style="list-style-type: none"> <li>• dev</li> <li>• test</li> <li>• stage</li> <li>• prod</li> </ul> <p>*Subject to change</p>	<p>onprem-its-csi-dev-hosts</p>
Job Templates	<b>{{ inventory_name }} - {{ template_function }} - {{ environment }}</b>	<p>Inventory name is the name of the inventory used in the template configuration</p> <p>Template function should be a meaningful name describing the functionality of the template</p> <p>Environment refers to the software deployment environment and may be one of:</p> <ul style="list-style-type: none"> <li>• dev</li> <li>• test</li> <li>• stage</li> <li>• prod</li> </ul>	<p>atsea-dev-standard-deploy-account-sshkey-prod</p> <p>atsea-dev-standard-scan-template-prod</p>
Workflow Job Templates	<b>{{ function }} - {{ environment }}</b>	<p>Function should be a meaningful name describing the functionality of the template</p> <p>Environment refers to the software deployment environment and may be one of:</p> <ul style="list-style-type: none"> <li>• dev</li> <li>• test</li> <li>• stage</li> <li>• prod</li> </ul>	<p>all-aws-accounts-deploy-account-sshkey-prod</p> <p>all-aws-accounts-scan-template-prod</p>
API User Accounts (Generic)	<b>{{ organization }}_{{ function }}_api_{{ access_permission }}</b>	<p>Organization is the Tower organization the resource is a member of</p> <p>Function is optional and is a meaningful name describing the functionality of the API user</p> <p>Access permission must be one of the following:</p> <ul style="list-style-type: none"> <li>• ro</li> <li>• rw</li> </ul>	<p>huit_api_ro</p> <p>huit_api_rw</p> <p>huit_billing_api_ro</p>
API User Accounts (Inventory specific)	<b>{{ inventory_name }}_api_{{ access_permission }}</b>	<p>Inventory name is the name of the inventory the user will have access from</p> <p>Access permission must be one of the following:</p> <ul style="list-style-type: none"> <li>• ro</li> <li>• rw</li> </ul>	<p>cloudhacks_dev_standard_api_rw</p> <p>sharedevcs_prd_standard_api_rw</p>

## Page History














Version	Published	Changed By	Comment
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<b>CURRENT (v. 33)</b>	<b>Aug 22, 2018 07:49</b>	 Ruma, Robert D
v. 32	Aug 22, 2018 07:48	 Ruma, Robert D
v. 31	Mar 29, 2018 10:18	 Ruma, Robert D
v. 30	Feb 12, 2018 14:10	 Ruma, Robert D
v. 29	Feb 09, 2018 14:25	 Ruma, Robert D
v. 28	Feb 09, 2018 14:02	 Ruma, Robert D
v. 27	Feb 09, 2018 13:59	 Ruma, Robert D
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v. 25	Feb 09, 2018 13:57	 Ruma, Robert D
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v. 22	Feb 08, 2018 08:19	 Ruma, Robert D
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v. 19	Feb 08, 2018 07:59	 Ruma, Robert D
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v. 16	Nov 01, 2017 07:52	 Ruma, Robert D
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v. 13	Oct 31, 2017 12:56	 Ruma, Robert D	
v. 12	Oct 31, 2017 12:04	 Ruma, Robert D	
v. 11	Jun 06, 2017 11:25	 Vachon, Thomas	
v. 10	Jun 03, 2017 12:31	 Ruma, Robert D	
v. 9	Apr 20, 2017 11:24	 Vachon, Thomas	
v. 8	Oct 19, 2016 09:14	 Ruma, Robert D	
v. 7	Sep 28, 2016 21:00	 Ruma, Robert D	
v. 6	Sep 28, 2016 20:49	 Ruma, Robert D	
v. 5	Sep 28, 2016 20:41	 Ruma, Robert D	
v. 4	Sep 28, 2016 13:58	 Ruma, Robert D	
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v. 1	Aug 11, 2016 13:31	 Vachon, Thomas	

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