system license commands

ONTAP commands

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system license commands

system license add

Add one or more licenses

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command adds a license to a cluster. To add a license you must specify a valid license key, which you can obtain from your sales representative.

Parameters

`-license-code <License Code V2>,…` - License Code V2

This parameter specifies the key of the license that is to be added to the cluster. The parameter accepts a list of 28 digit upper-case alphanumeric character keys.

| `[-use-license-file {true|false}]` - Use License File (privilege: advanced) }

If this parameter is set to true, licenses from the local node /mroot/etc/lic_file license file will be installed if the file exists at this location.

Examples

The following example adds a list of licenses with the keys AAAAAAAAAAAAAAAAAAAAAAAAAAAA and BBBBBBBBBBBBBBBBBBBBBBBBBBBB to the cluster

```
cluster1::> system license add -license-code AAAAAAAAAAAAAAAAAAAAAAAAAAAA,
BBBBBBBBBBBBBBBBBBBBBBBBBBBB
```

system license clean-up

Remove unnecessary licenses

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command manages licenses in the cluster that have no effect, and so can be removed. Licenses that have expired or are not affiliated with any controller in the cluster are deleted by this command. Licenses that cannot be deleted are displayed with reasons for the non-deletion.

Parameters

`[-unused <true>]` - Remove unused licenses

If you use this parameter, the command removes licenses in the cluster that are not affiliated with any controller in the cluster.

[-expired <true>] - Remove expired licenses

If you use this parameter, the command removes licenses in the cluster that have expired.

[-n, -simulate <true>] - Simulate Only

If you use this parameter, the command will not remove the licenses. Instead it will display the licenses that will be removed if this parameter was not provided.

Examples

The following example simulates and displays the licenses that can be cleaned up:

```
cluster-1::> system license clean-up -expired -unused

The following licenses were safely deleted:

Serial number: 1-80-000011
Owner: cdancluster-1
Package                   Reason
--------------------------
-------------------------------------------------------
CIFS                      License has expired

Serial number: 4067154888
Owner: none
Package                   Reason
--------------------------
-------------------------------------------------------
Cloud                     License has expired

Serial number: 1-81-00000000000000004067154999
Owner: none
Package                   Reason
--------------------------
-------------------------------------------------------
iSCSI                     License unused by any node in the cluster
The following licenses are either expired or unused but cannot be safely
deleted:

Serial number: 4067154778
Owner: node1
Package                   Reason
--------------------------
-------------------------------------------------------
Cloud                     Feature would be impaired upon removal

Serial number: 4067154779
Owner: node2
Package                   Reason
--------------------------
-------------------------------------------------------
Cloud                     System generated license
```

system license delete

Delete a license

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command deletes a license from a cluster.

Parameters

`-serial-number <text>` - Serial Number

This parameter specifies the serial number of the license that is to be deleted from the cluster. If this parameter is not provided, the default value is the serial number of the cluster.

`-package <Licensable Package>` - Package

This parameter specifies the name of the package that is to be deleted from the cluster.

Examples

The following example deletes a license named CIFS and serial number 1-81-000000000000000000000123456 from the cluster:

```
cluster1::> system license delete -serial-number 1-81-
000000000000000000000123456 -package CIFS
```

The following example deletes from the cluster all of the licenses under the installed-license Core Bundle for serial number 123456789:

```
cluster1::> system license delete { -serial-number 123456789 -installed
-license "Core Bundle" }
```

system license show-aggregates

Display status of aggregates leases and license used.

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays the status of all ONTAP aggregates.

Parameters

{ `[-fields <fieldname>,…]`

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| `[-instance ]` }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-node {<nodename>|local}] - Node

If you use this parameter, the command displays information only about aggregates that match the given node.

[-aggr-name <text>] - Aggregate Name

If you use this parameter, the command displays information only about aggregate that match the given aggregate.

[-aggr-size {<integer>[KB|MB|GB|TB|PB]}] - Aggregate Size

If you use this parameter, the command displays information only about aggregates that match the given physical size of an aggregate.

[-licensed-size {<integer>[KB|MB|GB|TB|PB]}] - Licensed Size

If you use this parameter, the command displays information only about aggregates that match the given licensed-size.

[-expiration <MM/DD/YYYY HH:MM:SS>] - Lease Expiration

If you use this parameter, the command displays information only about aggregates that match the given lease expiration.

[-status <AggrLicStatus>] - Aggregate Status

If you use this parameter, the command displays information only about aggregates that match the given status.

[-compliant {true|false}] - Is Aggregate Compliant

If you use this parameter, the command displays information only about aggregates that match the given state of compliance.

[-aggr-uuid <UUID>] - Aggregate UUID

If you use this parameter, the command displays information only about aggregate that match the given aggregate uuid.

Examples

The following example displays the license status of the cluster:

```
cluster1::> system license show-aggregates
Licensed Physical
Node      Aggregate               Size     Size Lease Expiration   Status
--------- ------------------- -------- -------- ------------------
------------
node1
          root1                     0B      2GB -                   lease-
not-required
          root2 (mirror)            0B      2GB -                   lease-
not-required
          aggr1                   20GB     20GB 6/21/2018 18:10:00 lease-
up-to-date
```

```
          aggr2 (mirror)          10GB     10GB 6/21/2018 20:00:00 lease-
up-to-date
node2
          root1 (mirror)            0B      2GB -                  lease-
not-required
          root2                     0B      2GB -                  lease-
not-required
          aggr1 (mirror)          20GB     20GB 6/21/2018 18:10:00 lease-
up-to-date
          aggr2                   10GB     10GB 6/21/2018 20:00:00 lease-
up-to-date
node3
          root3                     0B      2GB -                  lease-
not-required
          root4 (mirror)            0B      2GB -                  lease-
not-required
          aggr3                   15GB       0B 6/21/2018 20:00:00
aggregate-deleted
          aggr4 (mirror)          15GB     15GB 6/21/2018 12:00:00 lease-
expired
          aggr5 (mirror)          15GB     15GB 6/21/2018 21:00:00 lease-
up-to-date
          aggr6                   15GB     15GB 6/21/2018 21:00:00 plex-
deleted
          aggr7                   15GB     14GB 6/21/2018 21:00:00
aggregate-license-size-decreased
          aggr8 (mirror)            0B     14GB -                  lease-
missing
node4
          root3 (mirror)            0B      2GB -                  lease-
not-required
          root4                     0B      2GB -                  lease-
not-required
          aggr3 (mirror)          15GB       0B 6/21/2018 20:00:00
aggregate-deleted
          aggr4                   15GB     15GB 6/21/2018 12:00:00 lease-
expired
          aggr5                   15GB     15GB 6/21/2018 21:00:00 lease-
up-to-date
          aggr6 (mirror)          15GB       0B 6/21/2018 21:00:00 plex-
deleted
          aggr7 (mirror)          15GB     14GB 6/21/2018 21:00:00
aggregate-license-size-decreased
          aggr8                     0B     14GB -                  lease-
missing
```

system license show-serial-numbers

Display History of Serial Numbers

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays the history of changes to the support and node serial numbers. The node serial number and the support serial number of an ONTAP system are generally the same and do not change over time. However, when capacity pools licensing is used, the support serial number is that of the capacity pool license serial number and the node serial number is generated by the license manager. Also, when a cluster is upgraded or converted from capacity tiers licensing to capacity pools licensing, its support serial numbers as well as its node serial numbers change.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-seqnum <Sequence Number>] - Sequence number

Event sequence number

[-node {<nodename>|local}] - Node

Selects the node names that match this parameter value.

[-date <MM/DD/YYYY HH:MM:SS>] - Date

Selects the dates of serial number changes that match this parameter value.

[-reason <text>] - Reason for change

Reasons for serial number changes.

[-support-serial-number <text>] - Support Serial Number

Selects the support serial numbers that match this parameter value.

[-node-serial-number <text>] - Node Serial Number

Selects the node serial number that match this parameter value.

Examples

The following example displays the serial number change history of a four node capacity pools cluster. Its two HA pairs were originally assigned to capacity pools 390000101 and 390000102, and then both were reassigned to another capacity pool 390000103:

```
cluster1::> system license show-serial-numbers

Change Date: 06/06/2019
     Reason: Reassignments of capacity pools
Node            Support Serial       Node Serial
--------------- -------------------- --------------------
node1           390000103            99939000010100000001
node2           390000103            99939000010100000002
node3           390000103            99939000010200000003
node4           390000103            99939000010200000004

Change Date: 03/01/2019
     Reason: Initial installation
Node            Support Serial       Node Serial
--------------- -------------------- --------------------
node1           390000101            99939000010100000001
node2           390000101            99939000010100000002
node3           390000102            99939000010200000003
node4           390000102            99939000010200000004
```

The following example displays the history of a four node cluster converted from capacity tiers licensing to capacity pools licensing:

```
cluster1::> system license show-serial-numbers

Change Date: 06/06/2019
     Reason: Conversions from capacity tiers to pools
Node            Support Serial       Node Serial
--------------- -------------------- --------------------
node1           390000103            99939000010300000011
node2           390000103            99939000010300000012
node3           390000103            99939000010300000013
node4           390000103            99939000010300000014

Change Date: 03/01/2019
     Reason: Initial installation
Node            Support Serial       Node Serial
--------------- -------------------- --------------------
node1           310000101            310000101
node2           310000102            310000102
node3           310000103            310000103
node4           310000104            310000104
```

The following example displays the history of an evaluation cluster that was upgraded to capacity pools licensing:

```
cluster1::> system license show-serial-numbers

Change Date: 06/06/2019
     Reason: Conversions from capacity tiers evaluation to pools
Node            Support Serial       Node Serial
--------------- -------------------- --------------------
node1           390000103            99939000010300000011
node2           390000103            99939000010300000012
node3           390000103            99939000010300000013
node4           390000103            99939000010300000014

Change Date: 03/01/2019
     Reason: Initial installation
Node            Support Serial       Node Serial
--------------- -------------------- --------------------
node1           evaluation           99887766554433221101
node2           evaluation           99887766554433221102
node3           evaluation           99887766554433221103
node4           evaluation           99887766554433221104
```

system license show-status

Display license status

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays the status of all Data ONTAP licenses.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-status {not-compliant|eval|partially-installed|valid|not-installed|not-applicable|not-known}] - Current State

If you use this parameter, the command displays information only about licenses that match the given status.

[-license <Licensable Package>] - License

If you use this parameter, the command displays information only about licenses that match the given

license.

[-scope {site|cluster|node|pool}] - License Scope

If you use this parameter, the command displays information only about licenses that match the given scope.

[-detailed-status <text>,…] - Detailed Status

If you use this parameter, the command displays information only about licenses that match the given detailed-status.

Examples

The following example displays the license status of the cluster:

```
cluster1::> system license show-status
Status    License              Scope     Detailed Status
--------- -------------------  --------- ----------------------
partially-installed
          CIFS                 node      License missing on: Node2-
Cluster1.
          SnapRestore          node      License missing on: Node2-
Cluster1.
valid
          FCP                  node      -
          FabricPool           cluster   The system is using 1TB, and can
use up to 25TB.
not-installed
          NFS                  -         -
          iSCSI                -         -
          SnapMirror           -         -
          FlexClone            -         -
          SnapVault            -         -
          SnapLock             -         -
          SnapManagerSuite     -         -
          SnapProtectApps      -         -
          V_StorageAttach      -         -
          Insight_Balance      -         -
          OCShift              -         -
          TPM                  -         -
          VE                   -         -
          DP_Optimized         -         -
not-applicable
          Cloud                -         -
          Select               -         -
20 entries were displayed.
```

system license show

Display licenses

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The ` system license show ` command displays the information about licenses in the system.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-serial-number <text>] - Serial Number

If you use this parameter, the command displays information only about the licenses that matches the serial number you specify.

[-package <Licensable Package>] - Package

If you use this parameter, the command displays information only about the specified package.

[-owner <text>] - Owner

If you use this parameter, the command displays information only about the packages that matches the owner name you specify.

[-expiration <MM/DD/YYYY HH:MM:SS>] - Expiration

If you use this parameter, the command displays information only about the licenses that have the expiration date you specify.

[-description <text>] - Description

If you use this parameter, the command displays information only about the licenses that matches the description you specify.

[-type {license|site|demo|subscr|capacity|capacity-per-term|enabled}] - Type

If you use this parameter, the command displays information only about the licenses that have the license type you specify.

[-customer-id <text>] - Customer ID

If you use this parameter, the command displays information only about the licenses that have the customer-id you specify.

[-installed-license <text>] - Installed License Name

If you use this parameter, the command displays information only about the licenses that match the installed license you specify.

[-host-id <text>] - Host Id

If you use this parameter, the command displays information only about the license that have the host id you specify.

[-capacity {<integer>[KB|MB|GB|TB|PB]}] - License Capacity

If you use this parameter, the command displays information only about the licenses that match the capacity you specify.

Examples

The following example displays information about all licensed packages in the cluster:

```
cluster1::> system license show

Serial Number: 1-81-0000000000000001122334455
Owner: node2
Installed License: Legacy Key
Capacity: -
Package           Type     Description           Expiration
----------------- -------- --------------------- -------------------
NFS               license  NFS License           -
CIFS              license  CIFS License          -
iSCSI             license  iSCSI License         -
SnapRestore       license  SnapRestore License   -
FlexClone         license  FlexClone License     -
S3                license  S3 License            -

Serial Number: 123456789
Owner: node1
Installed License: Core Bundle
Capacity: 10TB
Package           Type     Description           Expiration
----------------- -------- --------------------- -------------------
NFS               capacity NFS License           -
CIFS              capacity CIFS License          -
iSCSI             capacity iSCSI License         -
SnapRestore       capacity SnapRestore License   -
FlexClone         capacity FlexClone License     -
S3                capacity S3 License            -
12 entries were displayed.
```

system license update-leases

Begin lease reconciliation

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The ` system license update-leases` command attempts to update (that is, renew) any capacity pool leases that have expired.

Parameters

[-node {<nodename>|local}] - Nodes to Attempt Renewal

This optional parameter directs the system to update leases for only the specified nodes.

[-force {true|false}] - Force Renewal of Valid Leases

This optional parameter, if set with a value of "true", directs the system to update all leases for a node, not just those that have expired.

Examples

The following example updates all leases on a node:

```
cluster1::*> system license update-leases -node node1 -force true
Number of Leases Updated: 3
 Number of Leases Not Updated: 0 (error), 0 (already up-to-date)
```

system license capacity show

(DEPRECATED)-Show license capacity status

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command is deprecated and may be removed in a future release of Data ONTAP. Use the "system license show-status " command.

The `system license capacity show` command displays the information about the licenses in the system that are specifically related to storage capacity limits.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-serial-number <Node Serial Number>] - Serial Number

If you use this parameter, the command displays information only about the capacity-related licenses that matches the serial number you specify.

[-package <Licensable Package>] - Package

If you use this parameter, the command displays information only about the package you specify.

[-owner <text>] - Owner

If you use this parameter, the command displays information only about the capacity-related licenses that have the owner you specify.

[-max-capacity {<integer>[KB|MB|GB|TB|PB]}] - Maximum Capacity

If you use this parameter, the command displays information only about the capacity-related licenses that have the maximum amount of attached storage capacity you specify.

[-current-capacity {<integer>[KB|MB|GB|TB|PB]}] - Current Capacity

If you use this parameter, the command displays information only about the capacity-related licenses that apply to the node with the current attached capacity you specify.

[-expiration <MM/DD/YYYY HH:MM:SS>] - Expiration Date

If you use this parameter, the command displays information only about the capacity-related licenses that have the expiration date you specify.

[-reported-state {evaluation|warning|missing|enforcement|installed}] - Reported State

If you use this parameter, the command displays information only about the capacity-related licenses that have the reported state you specify.

[-node {<nodename>|local}] - Node Name

If you use this parameter, the command displays information only about the capacity-related licenses that apply to the node you specify.

Examples

The following example displays information about all capacity-related licensed packages in the cluster, for a hypothetical cluster of four nodes:

Note that for some nodes below, the maximum capacity is displayed as "-" (meaning "unlimited"). This happens when there is no capacity license for the node - the node is operating with a limited-time temporary capacity license.

```
cluster1::> system license capacity show

Node:          node1
Serial Number: 1-81-00000000000012345678901234567
                              Max  Current
Package                  Capacity Capacity Expiration
------------------------ -------- -------- -------------------
Select                        2TB  15.81GB 4/11/2016 00:00:00
Node:          node2
Serial Number: 1-81-00000000000000000000123456788
                              Max  Current
Package                  Capacity Capacity Expiration
------------------------ -------- -------- -------------------
Select                          -  10.40TB 4/11/2016 00:00:00
Node:          node3
Serial Number: 1-81-00000000000000000000123456789
                              Max  Current
Package                  Capacity Capacity Expiration
------------------------ -------- -------- -------------------
Select                          -  10.40TB 4/11/2016 00:00:00
Node:          node4
Serial Number: 1-81-00000000000012345678901234567
                              Max  Current
Package                  Capacity Capacity Expiration
------------------------ -------- -------- -------------------
Select                        2TB  15.81GB 4/11/2016 00:00:00
```

Related Links

- system license show-status

system license entitlement-risk show

Display Cluster License Entitlement Risk

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays information about license entitlement risk of the cluster for each license package. The command displays license package name, entitlement risk, corrective action to reduce the entitlement risk for each package, and the names and serial numbers for the nodes that do not have a node-locked license for a given package. If command is used with the "-detail" parameter, the output displays the names and serial numbers for all nodes in the cluster instead of only the nodes missing a node-locked license. It also displays whether each node has a license and if the features corresponding to the package are used in the past week.

License entitlement risk does not apply to base license. If a node has a site or a valid demo license for the

given package, the entitlement risk will be shown as "medium" and the nodes missing a node-locked license will be displayed. The corrective action, if the cluster has a site license for the given package is, "Verify all controllers are entitled". If the entitlement risk is high, the corrective action is "Acquire node-locked license". For the low entitlement risk and if the cluster is unlicensed for a given package, the corrective action is "None". If the license entitlement risk cannot be computed because of infrastructure issues, the entitlement risk is shown as "unknown" and the corrective action is displayed as "Verify system health".For more information regarding license entitlement risk, see + http://mysupport.netapp.com/licensing/ontapentitlementriskstatus

Parameters

{ [-fields <fieldname>,…]

With this parameter, you can specify which fields should be displayed by the command. License package names and node serial numbers are always displayed.

| [-detail]

If you use this parameter, the command displays the license package name, entitlement risk, corrective action, all nodes' names, their serial numbers, whether a node-locked license is present and whether a given license package has been in use in the past week for each node in the cluster.

| [-instance] }

If this parameter is used, the command displays values for all fields for each license package and each node in the cluster individually.

[-package <Licensable Package>] - Package Name

If you use this parameter, the command displays information only for the specified license package.

[-serial-number <text>] - Node Serial Number

If you use this parameter, the command displays information only for the node with the specified serial number. The displayed entitlement risk and corrective action apply to the entire cluster.

[-node-name <text>] - Node Name

If you use this parameter, the command displays information only for the node with the specified name. The displayed entitlement risk and corrective action apply to the entire cluster.

[-risk {high|medium|low|unlicensed|unknown}] - Entitlement Risk

If you use this parameter, the command displays information only for the license packages that have the specified license entitlement risk.

[-action <text>] - Corrective Action

If you use this parameter, the command displays information only for the license packages which need the specified corrective action to reduce entitlement risk.

[-is-licensed {true|false}] - Is Node-Locked License Present

If you use this parameter, the command displays information only for the license packages for which at least one node in the cluster has a node-locked license. It also displays the nodes in the cluster which do not have a node-locked license.

[-in-use {true|false}] - Usage Status

If you use this parameter, the command displays information only for the license packages with corresponding features in use.

[-missing-serial-numbers <text>,…] - Serial Numbers Missing a Node-Locked License

If you use this parameter, the command displays the packages for which the node with the specified serial number does not have a node-locked license.

[-missing-node-names <text>,…] - Node Names Missing a Node-Locked License

If you use this parameter, the command displays all the packages for which the node with the specified name does not have a node-locked license.

[-action-code {acquire-license|adjust-capacity|verify-entitlement|verify-system-health|none}] - Corrective Action Code

If you use this parameter, the command displays information only for the license packages which need specified corrective action code to reduce entitlement risk. This parameter is same as the parameter "action".

Examples

The following example displays the information for license package NFS. NFS is unlicensed in the cluster and no action is necessary to reduce the entitlement risk. The nodes, cluster1-01 and cluster-02, are missing a node-locked license. The serial numbers for both nodes are also displayed.

```
cluster1::> system license entitlement-risk show
Package             Entitlement Risk Corrective Action
------------------- ---------------- ------------------------------------
NFS                 unlicensed       None
           Nodes Without a Node-Locked License
           ------------------------------------------------------------
           cluster1-01                    1-81-0000000000000004073806282
           cluster1-02                    1-81-0000000000000004073806283
```

The following example displays the information for license package CIFS. The cluster has high entitlement risk for CIFS. The command displays serial numbers for all nodes in the cluster. Both nodes are missing a node-locked CIFS license. Node with serial number 1-81-0000000000000004073806282 has used CIFS feature in the past week, and the node with serial number 1-81-0000000000000004073806283 has not used this feature in the past week.

```
cluster1::> system license entitlement-risk show -detail
Package             Entitlement Risk Corrective Action
------------------- ---------------- ------------------------------------
CIFS                high             Acquire a node-locked license
                           Serial Numbers                 Licensed Usage
                           ------------------------------ -------- -----
                           1-81-0000000000000004073806282 false    true
1-81-0000000000000004073806283 false    false
```

system license license-manager check

Display license manager status

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The ` system license license-manager check ` checks the connectivity status of a node to the License Manager that the node was configured to use. The status of a node might indicate that the License Manager is inaccessible. If so, the status message contains additional text in parentheses. The text options and descriptions are as follows:

- license_expired : The License Manager has a license, but it is expired.
- network_error : The node is unable to establish basic network connectivity.
- no_valid_license : The License Manager does not have a valid capacity pool license.

All other values indicate an internal error.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-node {<nodename>|local}] - Node (privilege: advanced)

This parameter directs the system to display results for the License Manager configured for the specified node.

[-status <text>] - Status (privilege: advanced)

This parameter directs the system to display results for the given status message.

Examples

The following examples check the status of the configured License Manager, before and after its license has expired:

```
cluster1::*> system license license-manager check -node node1
Node: node1
LM status: License Manager (1.2.3.4:5678) is accessible.

cluster1::*> system license license-manager check

Node             Status
---------------  ------------------------------------------------------
node1            License Manager (1.2.3.4:5678) is accessible.
node2            License Manager (1.2.3.4:5678) is accessible.
2 entries were displayed.
cluster1::*> system license license-manager check -node node1
Node: node1
LM status: License Manager (1.2.3.4:5678) is inaccessible
(license_expired).

cluster1::*> system license license-manager check

Node             Status
---------------  ------------------------------------------------------
node1            License Manager (1.2.3.4:5678) is inaccessible
(license_expired).
node2            License Manager (1.2.3.4:5678) is inaccessible
(license_expired).
2 entries were displayed.
```

system license license-manager modify

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The ` system license license-manager modify ` command modifies the configuration information for the License Manager the system is using.

Parameters

`[-host <text>]` - License Manager Host (privilege: advanced)

Sets the specified host, which can either be a fully qualified domain name (FQDN) or an IP address.

Examples

The following example modifies information about the License Manager configuration:

```
cluster1::*> system license license-manager modify -host
myhost.mycompany.com
```

system license license-manager show

Display license manager information

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The ` system license license-manager show ` command displays the information about the current License Manager configuration.

Examples

The following example displays information about current License Manager configuration:

```
cluster1::*> system license license-manager show

License Manager Host: 1.2.3.4
```

system license status show

(DEPRECATED)-Display license status

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command is deprecated and may be removed in a future release of Data ONTAP. Use the "system license show-status " command.

This command displays the list of licensable packages in the system and their current licensing status.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-package <Licensable Package>] - Package Name

If you use this parameter, the command displays information only about the specified package.

[-method {none|license|site|demo|subscr|capacity|enabled}] - Licensed Method

If you use this parameter, the command displays information only about the packages with the specified licensed method.

[-expiration <MM/DD/YYYY HH:MM:SS>] - Expiration Date

If you use this parameter, the command displays information only about the licenses that have the expiration date you specify.

[-description <text>] - Description

If you use this parameter, the command displays information only about the licenses that match the description you specify.

[-status-details <text>] - Additional Information About Status

This option displays additional information regarding the cluster-level license status for license methods.

Examples

The following example displays the license status of the cluster:

```
cluster1::> system license status show
Package             Licensed Method  Expiration             Status Details
------------------  ---------------  ---------------------
----------------------
Base                site             -                      -
NFS                 site             -                      -
CIFS                demo             12/7/2015 00:00:00     Demo expires on
given date
iSCSI               none             -                      -
FCP                 none             -                      -
SnapRestore         none             -                      -
SnapMirror          none             -                      -
FlexClone           none             -                      -
SnapVault           none             -                      -
SnapLock            none             -                      -
SnapManagerSuite    none             -                      -
SnapProtectApps     none             -                      -
V_StorageAttach     none             -                      -
SnapLock_Enterprise
                    none             -                      -
Insight_Balance     none             -                      -
OCShift             none             -                      -
Cloud               subscr           12/15/2015 00:00:00    Subscription
expires on given date
17 entries were displayed.
```

Related Links

- system license show-status

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