

Objetivo

Ativar licenças em equipamentos da linha DmSwitch.

Cenário de referência

Neste caso, o cenário é indiferente, pois a licença é aplicada por equipamento. Abaixo a tabela com os equipamentos da linha DmSwitch.

MODEL	FIRMWARE VERSION
DM2100	5.16.6
DmSwitch3000	11.16
DM4000	14.10.10
DM4100	14.10.10

Tabela 01 – Firmware de referência.

Configurações

Para ativar uma licença no equipamento DATACOM, verifique através do comando *show system* se o equipamento possui hardware compatível. Após, digite *setf* e copie o MAC e *Serial Number* do equipamento, envie para o e-mail do Suporte DATACOM informando o tipo de licença que necessita habilitar. Após validação comercial, uma chave com 256 caracteres será gerada para ativação. Repita o comando *setf* e cole a chave. Após é necessário reiniciar o equipamento para finalizar a ativação.

DM4000

```
DM4000#show system

Unit 1
Product
Model: DM4001 - ETH20GX+2x10GX+32E1 H Series
OID: 1.3.6.1.4.1.3709.1.2.116
Factory
Mainboard ID: 0000000
MAC Address: 00:04:DF:00:00:00
System Capabilities HW Available License Enabled
Bridge: yes yes
Router: yes yes
MPLS: yes no
User configurable
Name: DM4000
Location:
Contact:

DM4000#setf
00:04:DF:00:00:00 0000000:
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaa
DM4000#reboot
System will be restarted. Continue? <y/N> y
```

Caso o equipamento seja um DM4004 ou DM4008, as licenças devem ser aplicadas nas placas de interface e MPUs (Ativa e Standby) para o correto funcionamento das aplicações.

DM4004

```
DM4004#show system

Unit 1-A (Active)
Product
Model: DM4004 - MPU512
OID: 1.3.6.1.4.1.3709.1.2.84
Factory
Mainboard ID: 0000001
MAC Address: 00:04:DF:00:00:01
System Capabilities HW Available License Enabled
Bridge: yes yes
Router: yes yes
MPLS: yes no
User configurable
Name: DM4004
Location:
Contact:

Unit 1-B (Standby)
Product
Model: MPU512
```

```
Factory
ID: 0000002
MAC Address: 00:04:DF:00:00:02
System Capabilities HW Available License Enabled
Bridge: yes yes
Router: yes yes
MPLS: yes no

Unit 2
Product
Model: ETH24GX+2x10GX H Series
Factory
Mainboard ID: 0000003
MAC Address: 00:04:DF:00:00:03
System Capabilities HW Available License Enabled
Bridge: yes yes
Router: yes yes
MPLS: yes no

Unit 3
Product
Model: ETH48GX H Series
Factory
Mainboard ID: 0000004
MAC Address: 00:04:DF:00:00:04
System Capabilities HW Available License Enabled
Bridge: yes yes
Router: yes yes
MPLS: yes no

Unit 4
Product
Model: ETH24GX+2x10GX E Series
Factory
Mainboard ID: 0000005
MAC Address: 00:04:DF:00:00:05
System Capabilities HW Available License Enabled
Bridge: yes yes
Router: yes yes
MPLS: yes no

Unit 5
Product
Model: ETH4x10GX H Series
Factory
Mainboard ID: 0000006
MAC Address: 00:04:DF:00:00:06
System Capabilities HW Available License Enabled
Bridge: yes yes
Router: yes yes
MPLS: yes no

DM4004#setf
Unit: 1
00:04:DF:00:00:01 0000001:
bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bbbbbbbbbbbbbbbbbb
DM4004#setf
Unit: 2
00:04:DF:00:00:03 0000003:
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccc
DM4004#setf
Unit: 3
00:04:DF:00:00:04 0000004:
dddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddd
dddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddd
dddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddddd
ddddddddddddddddd
DM4004#setf
Unit: 4
00:04:DF:00:00:05 0000005:
eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
eeeeeeeeeeeeeeeeee
DM4004#setf
Unit: 5
00:04:DF:00:00:06 0000006:
ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff
ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff
ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff
ffffffffffffffffffff
DM4004#telnet standby-mpu

Entering character mode
Escape character is '^'.

DM4004(Standby-MPU#setf
Unit: 1
00:04:DF:00:00:02 0000002:
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEE
DM4004(Standby-MPU#exit
DM4004(Standby-MPU#reboot
System will be restarted. Continue? <y/N> y
```

Após o reboot, verifique através do comando *show system* a licença ativada.

DM4000

```
DM4000#show system
```

```
Unit 1
Product
Model:          DM4001 - ETH20GX+2x10GX+32E1 H Series
OID:            1.3.6.1.4.1.3709.1.2.116
Factory
Mainboard ID:   0000000
MAC Address:    00:04:DF:00:00:00
System Capabilities
Bridge:         yes          yes
Router:         yes          yes
MPLS:           yes          yes
User configurable
Name:           DM4000
Location:
Contact:
```

```
DM4000#
```

DM4004

```
DM4004#show system
```

```
Unit 1-A (Active)
Product
Model:          DM4004 - MPU512
OID:            1.3.6.1.4.1.3709.1.2.84
Factory
Mainboard ID:   0000001
MAC Address:    00:04:DF:00:00:01
System Capabilities
Bridge:         yes          yes
Router:         yes          yes
MPLS:           yes          yes
User configurable
Name:           DM4004
Location:
Contact:
```

```
Unit 1-B (Standby)
Product
Model:          MPU512
Factory
ID:             0000002
MAC Address:    00:04:DF:00:00:02
System Capabilities
Bridge:         yes          yes
Router:         yes          yes
MPLS:           yes          yes
```

```
Unit 2
Product
Model:          ETH24GX+2x10GX H Series
Factory
Mainboard ID:   0000003
MAC Address:    00:04:DF:00:00:03
System Capabilities
Bridge:         yes          yes
Router:         yes          yes
MPLS:           yes          yes
```

```
Unit 3
Product
Model:          ETH48GX H Series
Factory
Mainboard ID:   0000004
MAC Address:    00:04:DF:00:00:04
System Capabilities
Bridge:         yes          yes
Router:         yes          yes
MPLS:           yes          yes
```

```
Unit 4
Product
Model:          ETH24GX+2x10GX E Series
Factory
Mainboard ID:   0000005
MAC Address:    00:04:DF:00:00:05
System Capabilities
Bridge:         yes          yes
Router:         yes          yes
MPLS:           yes          yes
```

```
Unit 5
Product
Model:          ETH4x10GX H Series
Factory
Mainboard ID:   0000006
MAC Address:    00:04:DF:00:00:06
System Capabilities
Bridge:         yes          yes
Router:         yes          yes
MPLS:           yes          yes
```

```
DM4004#
```

Verificações

Através do comando abaixo é possível verificar as licenças habilitadas no equipamento e se o mesmo possui disponibilidade de *hardware*.

```
show system
```

Observações

- As licenças são geradas pelo Suporte DATACOM mediante aprovação comercial.
- Este documento também é válido para versões anteriores de *firmware*.

Contato

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