



# EMC<sup>®</sup> NetWorker<sup>®</sup>

8.0

P/N 300-013-596  
A01

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EMC CORPORATION

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EMC<sup>2</sup> EMC EMC EMC Corporation /

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.....	13
.....	13
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## NetWorker

NetWorker			16
			16
			16
			16
			17
			18
NetWorker			18
NetWorker			18
			18
			19
			20
NetWorker			21
1	NetWorker		21
2			21
3			21
4	NetWorker	ID	22
5			22
6	NetWorker		23
7			24
8			25
9	NetWorker		25
			27
			27
NetWorker			28
			28
			28
			28
DDS			29
HomeBase	/		29
NDMP			30
NetWorker			30
NetWorker Data Domain			30
NetWorker			30
NetWorker			33
			33
			36
NetWorker 45			37

## NetWorker

NetWorker	54
NetWorker	54
NetWorker	54
NetWorker	55
NetWorker	56
NetWorker	56
NetWorker	56
NetWorker	57
NetWorker	58
1 NetWorker	58
2	58
3	59
4 LAC	59
5 NetWorker ID	59
6	60
7 NetWorker	60
8 NetWorker	61
9	64
10	65
11	65
12 NetWorker	65
AMP	66
AMP	66
AMP	67
NetWorker AMP	67
AMP	68
	70
	70
	71

	76
NetWorker	76
	77
	77
	77
	77
NetWorker NetWorker License Manager	77
	79
	81
	81
	81
	82
	83
	83
NetWorker	83
	84
	84
	84

5	NetWorker License Manager	
	EMC NetWorker License Manager .....	86
	.....	86
	.....	86



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NetWorker

NetWorker

- ◆ NetWorker
- ◆ NetWorker

NetWorker

- ◆ NetWorker
- ◆ NetWorker

NetWorker

NetWorker Management Console  
EMC NetWorker

Console

NetWorker

NetWorker

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- ◆ EMC NetWorker Release Notes EMC NetWorker
- ◆ EMC NetWorker
- ◆ EMC NetWorker Management Console (Console)
- ◆ EMC NetWorker License Manager

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<http://Powerlink.EMC.com>

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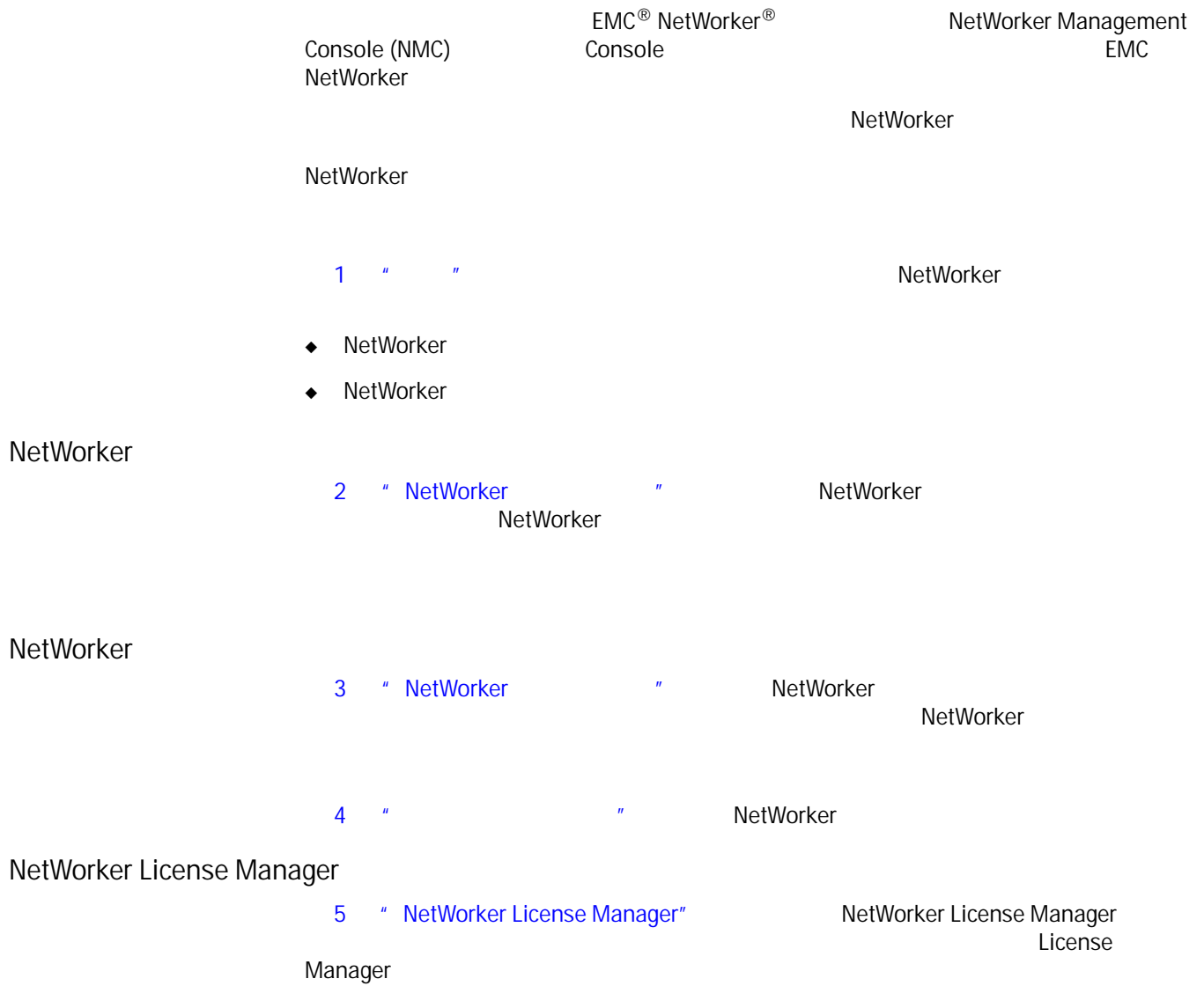
“ Support” “ ”

EMC

[BSGdocumentation@emc.com](mailto:BSGdocumentation@emc.com)



♦	.....	12
♦	.....	13



## NetWorker

◆ 14 " " " > " " > " " > "

◆ 13 " "

◆ NetWorker FastStart

◆ 250 GB

◆ 15 " NetWorker " NetWorker

◆ 250 GB

- ◆
  - 
  - 
  - Microsoft
  - Oracle
  - 
  - VTL

## NetWorker

PowerSnap	SnapImage	NetWorker
PowerSnap	NetWorker	

53 " NetWorker "

Obsolescence"	EMC	" Product
◆ Technical Guidance for Upgrades to EMC NetWorker 7.6 Technical Note EMC NetWorker 7.6		EMC NetWorker 7.6
◆ EMC Powerlink Support Announcement	NetWorker	NetWorker End of Life and End of
" " > " " > " "		" > "

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NetWorker

- ◆ NetWorker ..... 16
- ◆ ..... 16
- ◆ ..... 18
- ◆ ..... 20
- ◆ NetWorker ..... 21
- ◆ ..... 27
- ◆ EMC NetWorker 45 ..... 37

# NetWorker

13	"	NetWorker	"
EMC Powerlink	EMC	30	NetWorker
		45	18
		"	"
NetWorker	EMC Powerlink		
NetWorker	21	"	NetWorker
		NetWorker 8.0	EMC Software Price Guide:Open Storage
Software	EMC		
13	"	"	
	NetWorker		
NetWorker			
		NetWorker	

注意

	nsr	cap		
EMC Edition EMC	Work Edition	Work Edition	Work Edition	Power
	Work Edition			
◆	30			
◆				
		NetWorker		
	45			
18	"	"		



7.5	NetWorker NetWorker 8.0	NetWorker NetWorker 7.6 SP2	NetWorker NetWorker 7.6 SP3	NetWorker
	NetWorker 7.6			NetWorker
	EMC Powerlink		45	45
	<b>注意</b>			
	45		NetWorker NetWorker 7.5	

NetWorker NetWorker	45
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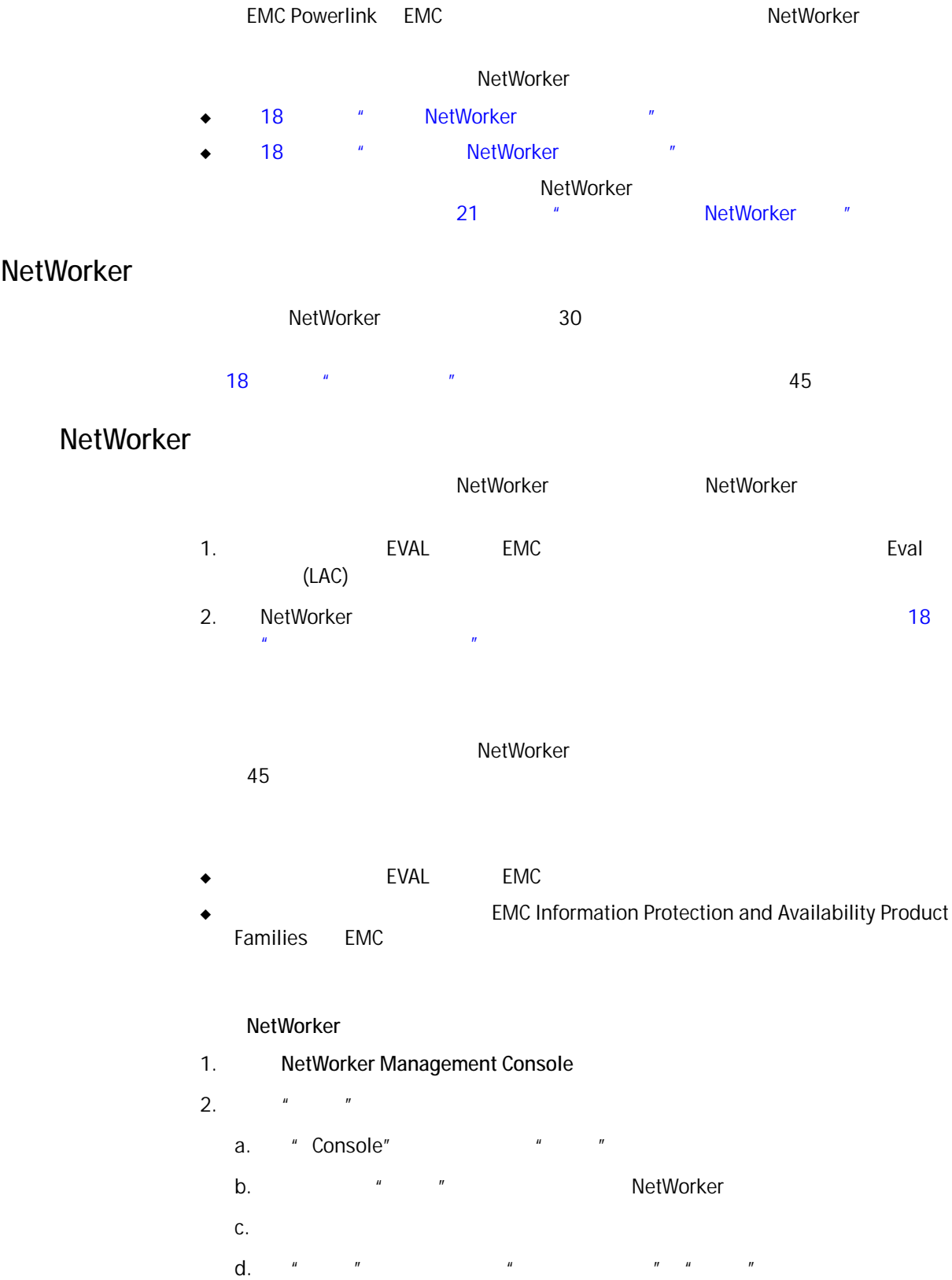
- ◆ " NetWorker Administration"
  - a. " "
  - b. " "

- ◆ " Console" " "
- ◆ nsrwatch

45

EMC [www.EMC2.com.cn](http://www.EMC2.com.cn)

21 " NetWorker "



3. " " " "
4. " "
5. " " " "
6. " "
7. " "
8. " OK"

NetWorker 30  
NetWorker

◆ " NetWorker Administration"

- a. " "
- b. " "

◆ " Console" " "

- ◆ 30  
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- ◆ 10

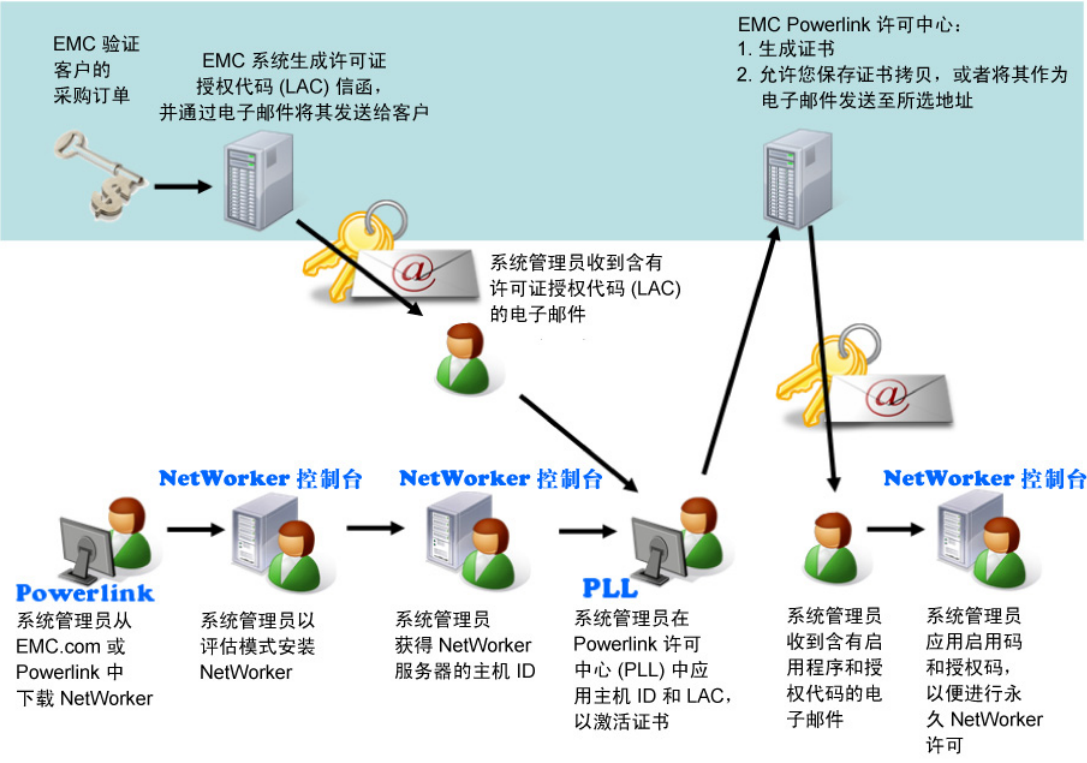
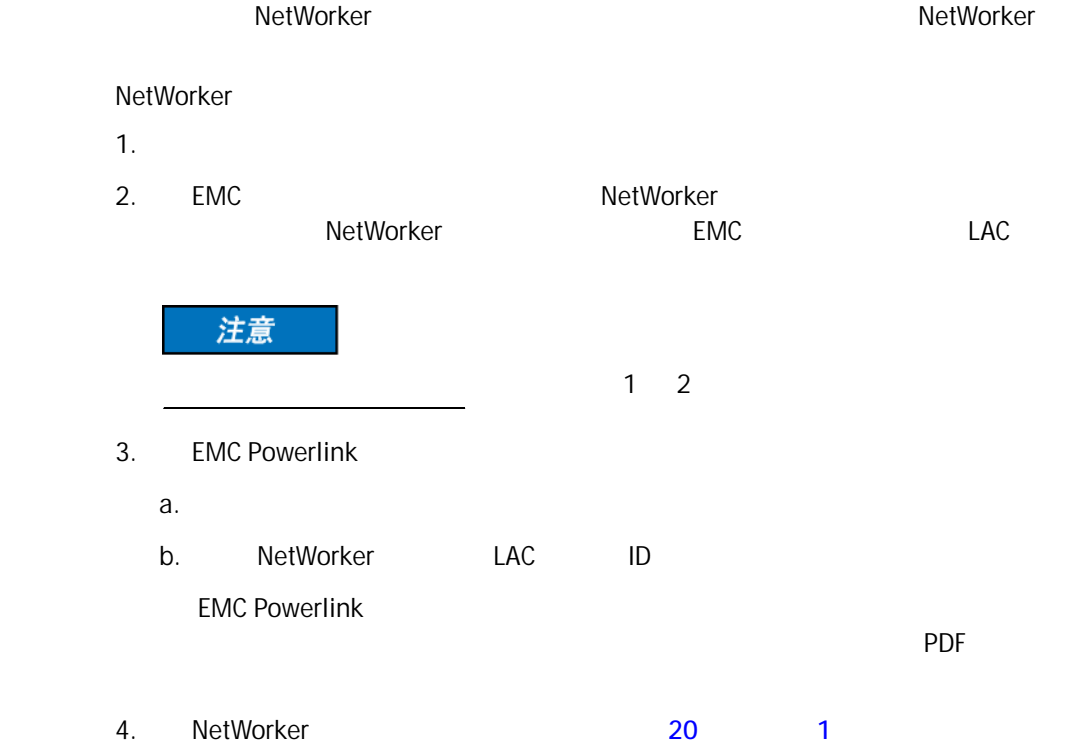
注意

nsrccp NetWorker " "

EMC

Work Edition Work Edition Power Edition Work Edition  
Work Edition EMC Work Edition

1. " " " "
2. " "
3. " "
- 4.



# NetWorker

	NetWorker				
◆	21	"	1	NetWorker	"
◆	21	"	2	"	
◆	21	"	3	"	
◆	22	"	4	NetWorker	ID"
◆	22	"	5	"	
◆	"	6	NetWorker	"	
◆	24	"	7		"
◆	25	"	8		"
◆	25	"	9	NetWorker	"

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## NetWorker

NetWorker

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EMC Powerlink

NetWorker

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NetWorker

ID

```

                                ID      NetWorker
                                " NetWorker "      ID
                                8      ID
                                NetWorker
                                ID
1.   NetWorker      " NetWorker Management Console"
2.   " NetWorker Administration"
3.   " "      " "
4.   " "
5.   " "      NetWorker      NetWorker
6.   ID

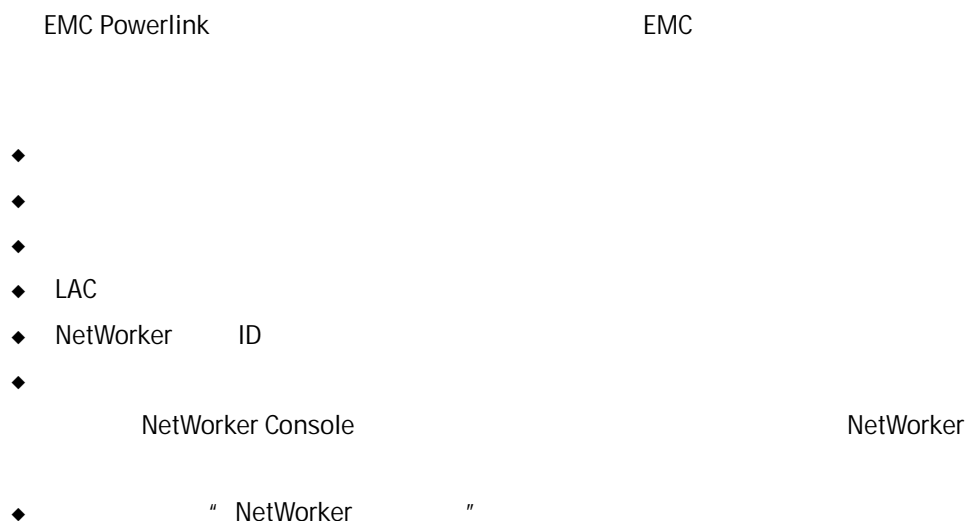
```

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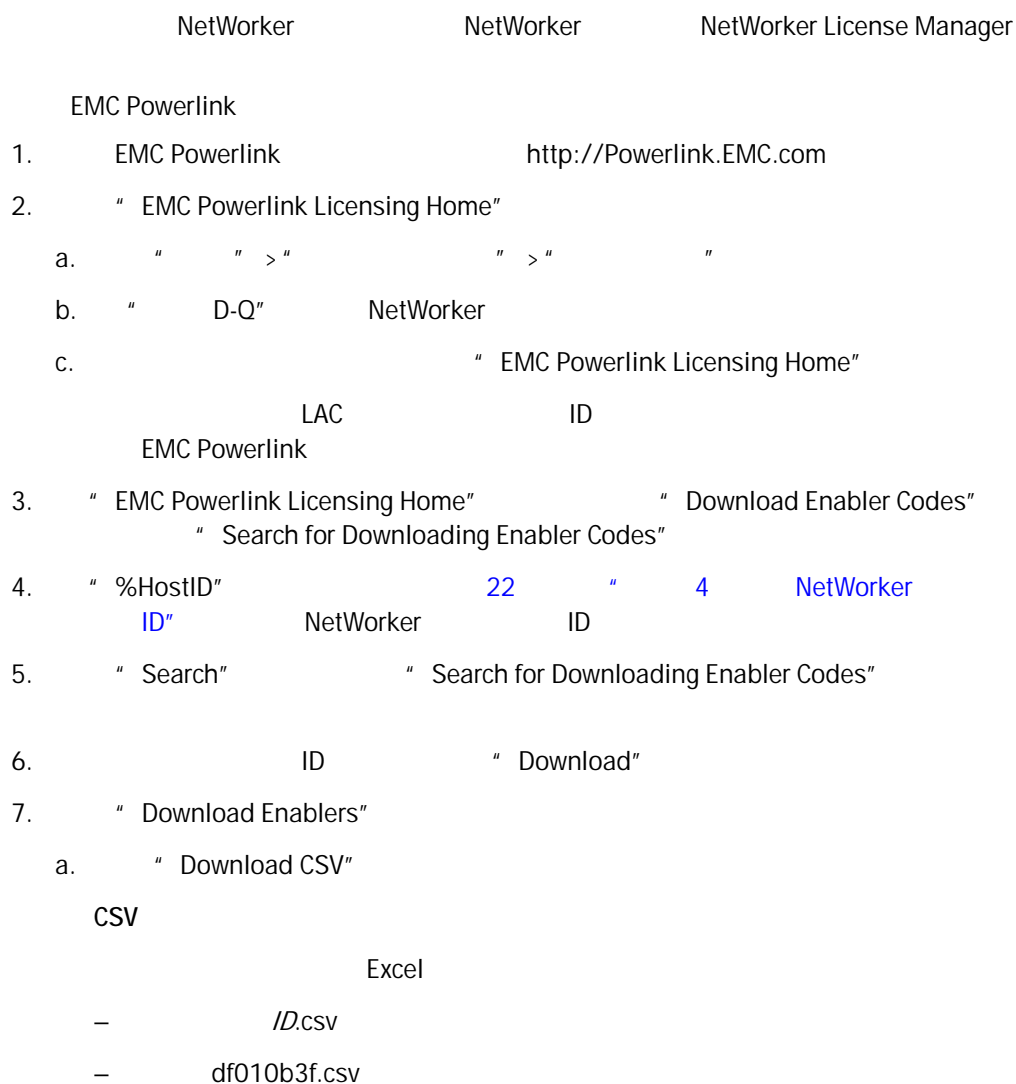
```

                                NetWorker
1.   EMC Powerlink
    http://Powerlink.EMC.com
    " "
2.
3.   " " > "      " > " "
4.   NetWorker      " EMC Powerlink Licensing"
5.   " LAC"      LAC      LAC
6.   " Machine Name"
    ID
7.
   a.   " Activation"
   b.   LAC
8.   " Locking ID"      22      "      4      NetWorker
    ID      NetWorker      ID
9.   " Activate"

```



## 6 NetWorker



- b. " Download nsradmin"
  - /D\_ .nsradmin
  - df010b3f\_20080814.nsradmin
- c. " Download ReadMe"
  - nsradmin
  - ReadMe\_ /D\_ .txt
  - ReadMe\_df010b3f\_20080814.txt
  - EMC Powerlink

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NetWorker

- 1. `echo print type : NSR license | nsradmin > saved_enablers.txt`
- 2. " " " "
- 3. " "
- 4. " "

NetWorker

- 5.
- 6.

- ◆ NetWorker
- ◆

NetWorker

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" 8 "



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nsrkap

NetWorker

1. NetWorker
- 2.

**nsrkap -u** 基本启用码 **-a** 授权码

## 9 NetWorker

NetWorker

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NetWorker

NetWorker

EMC Powerlink

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NetWorker

NetWorker

License Manager

EMC Powerlink

NetWorker

NetWorker

NetWorker License Manager

1. NetWorker Windows Linux UNIX

- Windows
- UNIX Linux root

2.

3.

NetWorker

4.

nsradmin

NetWorker

nsradmin

- NetWorker NetWorker

**nsradmin -i** 源文件 > 输出文件

- NetWorker NetWorker

**nsradmin -i** 源文件 **-s** 服务器名称 > 输出文件

- NetWorker License Manager NetWorker

**nsradmin -i** 源文件 **-s** 服务器名称 **-p 390115** > 输出文件

5.

NetWorker

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```
C:\PROGRA~1\Legato\nsr\bin\std>nsradmin -i infile
created resource id 25.0.0.20.96.108.23.72.137.69.168.135(1)
当前查询集
updated resource id 25.0.0.20.96.108.23.72.137.69.168.135(2)
(当前查询集 更新的资源 id 25.0.0.20.96.108.23.72.137.69.168.135(2))
```

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NetWorker

```
C:\PROGRA~1\Legato\nsr\bin\std>nsradmin -i infile
create failed: A license enabler already exists with enabler
code xxxxxx-xxxxxx-xxxxxx (创建失败: 存在一个许可证启用码, 为
xxxxxx-xxxxxx-xxxxxx)
当前查询集
updated resource id 25.0.0.20.96.108.23.72.137.69.168.135(3)
```

nsradmin

NetWorker

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NetWorker

NetWorker

NetWorker

```
C:\PROGRA~1\Legato\nsr\bin\std>nsradmin -i infile pasb-tomp
39078:nsradmin: RPC error: Program not registered (severity 4,
number 15) (39078: nsradmin: RPC 错误: 程序未注册 (严重程度为 4, 编
号为 15))
```

◆	27	"	"	
◆	28	"	NetWorker	"
◆	28	"	"	
◆	28	"		"
◆	28	"	"	
◆	29	"	DDS	"
◆	29	"	HomeBase	/
◆	30	"	NDMP	"
◆	30	"	NetWorker	"
◆	30	"	NetWorker Data Domain	"
◆	30	"	NetWorker	"
◆	33	"	NetWorker	"
◆	33	"	"	"
◆	36	"	"	"

EMC Powerlink    EMC    NetWorker

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NetWorker    EMC Powerlink

NetWorker

Storage Software    EMC    NetWorker 7.6.1    EMC Software Price Guide:Open

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1.    NetWorker
2.    NetWorker Server Edition
- 3.
- 4.
- 5.
6.    (VTL)
7.    (DBO)
- 8.

NetWorker

NetWorker

◆ NetWorker  
NetWorker

◆ NetWorker 7.5

NetWorker

• Update/8

NetWorker 7.0

• Update/9

NetWorker 7.3 7.4

EMC NetWorker Release Notes EMC

NetWorker

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NetWorker

NetWorker

NetWorker

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NDMP

EMC ClientPak®

NetWorker

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NetWorker "

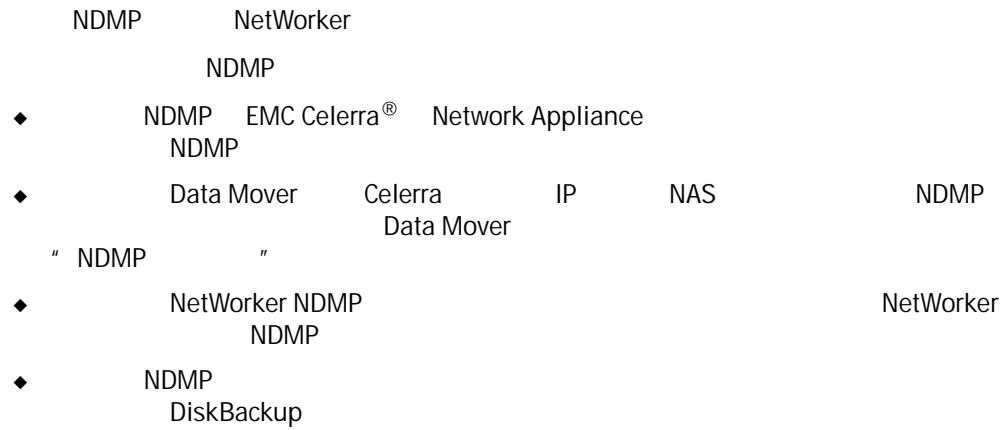
注意

NetWorker

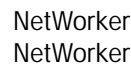
NetWorker

EMC HomeBase

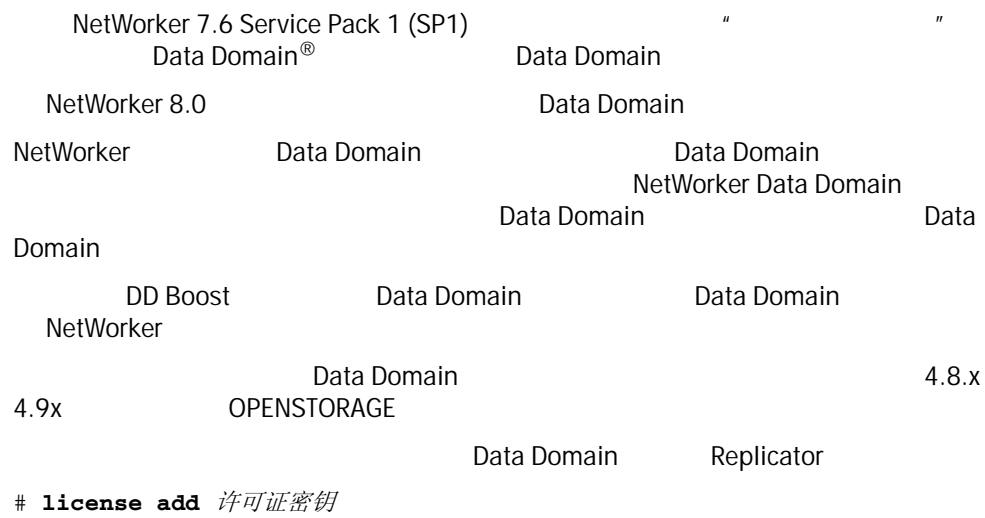
NDMP



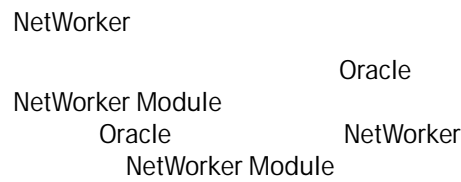
NetWorker



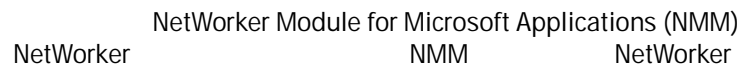
NetWorker Data Domain



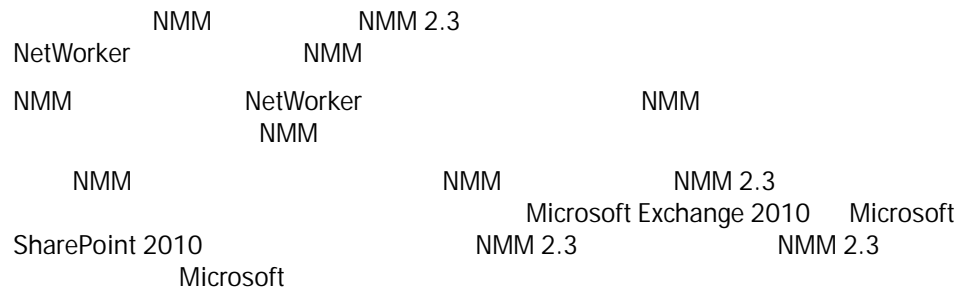
NetWorker



NetWorker Module for Microsoft Applications 2.3



## NMM



**注意**

NMM 2.3                      NetWorker 7.5 SP3      NetWorker 7.6 SP1

- ◆ Data Domain Boost NMM 2.3 NetWorker — Data Domain Boost NMM
- NetWorker Server 7.6 SP1
  - Data Domain Boost Data Domain NetWorker Data Domain
  - Data Domain Data Domain Boost
- ◆ NMM 2.3 DSN NMM — NMM 2.3 (DSN)
- ◆ NMM 2.3 — NetWorker NMM NMM
- ◆ NMM 2.3 — NMM NMM
- Server VMWare Exchange Server SharePoint Server ESX Server NMM SQL
- 1 SQL
  - 1 Exchange
  - 1 SharePoint
- ◆ NMM 2.3 — NMM
- ◆ NME NMSQL NMM — NetWorker  
NetWorker Module for Exchange (NME) NetWorker Module for SQL (NMSQL)  
NetWorker NetWorker NMM2.3  
NetWorker NetWorker 7.6 SP1

	NME	NMSQL		NMM
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NMM

32 1 NMM 2.3 - -

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1 NMM 2.3

		NMM
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-		1
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32 2 Microsoft Exchange Microsoft SharePoint

2 Exchange SharePoint 1 2

		NMM
Exchange		1
		1
Exchange Server 2007 CCR		Exchange CCR 1
		1



2 Exchange	SharePoint	2	2
		NMM	
Exchange Server 2010 DAG		DAG Exchange Server 1 <hr/> Exchange DAG  NMM <hr/>	
		1	
SharePoint		SharePoint 1 <hr/> SharePoint  NMM  Web Web SharePoint  Web  NMM <hr/>	
		1	

NetWorker

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**注意**  
NetWorker

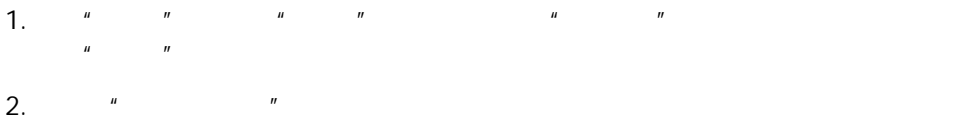
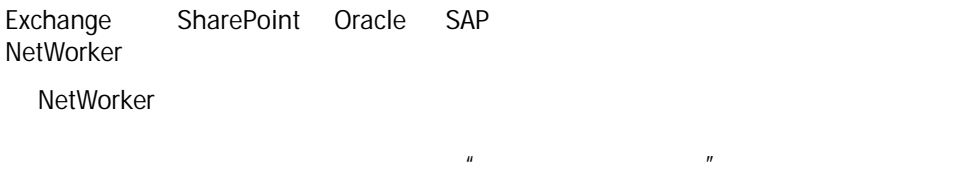
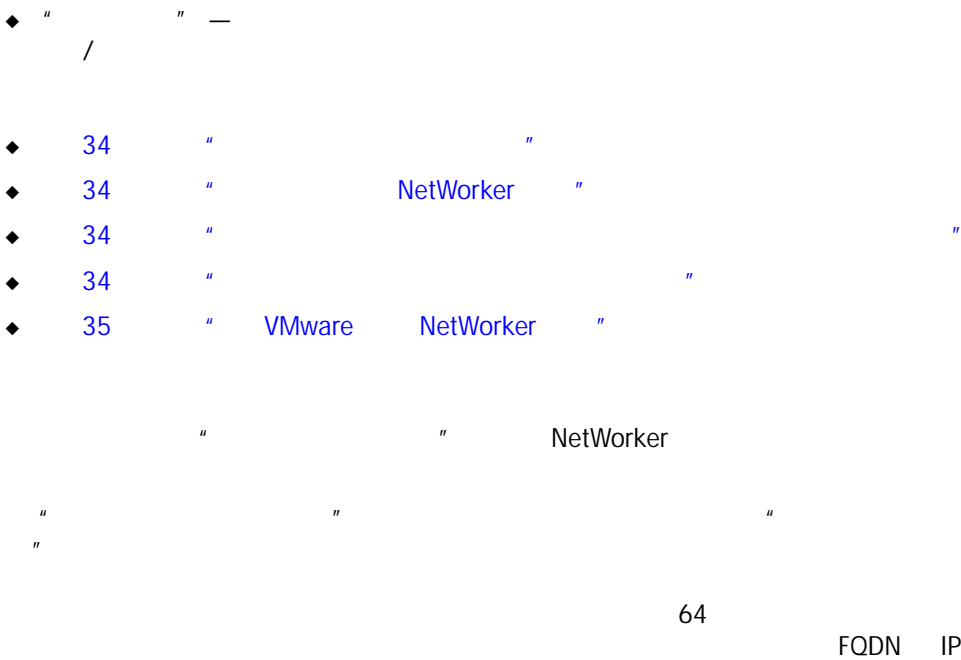
NetWorker

NetWorker

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VMware

NetWorker

VCB/VADP

ESX

NetWorker

NetWorker 7.6 SP2

ESX

VADP

VCB

VMware

VADP/VCB

NetWorker

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**VADP**

NetWorker 7.6 SP2  
VADP

VADP

VCB VCB

**AMP**

EMC Asset Management and Planning (AMP)

EMC Powerlink

VMware ESX Server

AMP

NetWorker

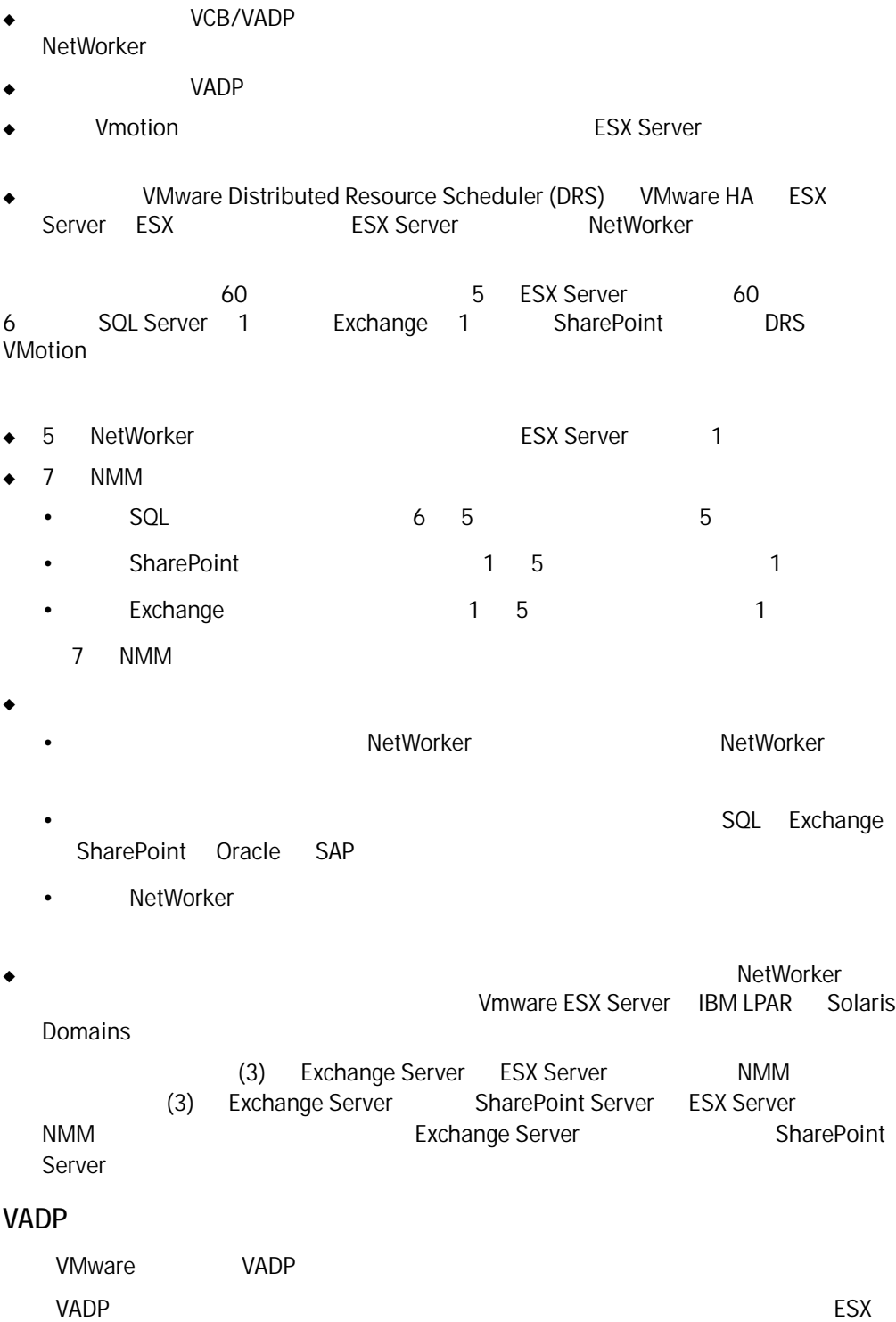
NetWorker

EMC AMP

NetWorker

VCB/VADP

- ◆ VMWare ESX Server
- ◆ Solaris
- ◆ LDOM
- ◆ LPAR
- ◆ nPAR
- ◆ VPAR
- ◆ Microsoft Hyper-V
- ◆ Xen



## EMC NetWorker 45

下表为 NetWorker 产品提供了 45 天临时试用启用码。这些代码可用来在 NetWorker 服务器产品上延长试用期。

如果您已购买并许可您的 NetWorker 软件，则可以使用这些代码来试用其余 EMC 系列产品。如果一个部件号列有多个启用码，则可以使用其中的任何一个启用码。

### 注意：

- ◆ 在输入启用码后，该功能可以试用 45 天。
- ◆ 这些启用码是临时的，无法对其进行永久授权。要对 NetWorker 产品进行永久授权，必须购买新的启用码，然后对其进行授权。
- ◆ 只能在网络中的一台计算机上输入每个试用启用码。如果在同一网络中的多台计算机上输入一个代码，将会出现拷贝违例错误，并将禁用 NetWorker 服务器软件。
- ◆ 在输入启用码时应该区分大小写。

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EMC NetWorker 45

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Product				
Atmos	456-101-709	EMC Atmos 1 TB	Atmos 1 TB	ce7650-922a17-bcfb94
	456-101-710	EMC Atmos 5 TB	Atmos 5 TB	d16b53-902d12-bff49b
	456-101-711	EMC Atmos 10 TB	Atmos 10 TB	59e3db-19a59a-374d23
	456-101-712	EMC Atmos 25 TB	Atmos 25 TB	60d8e2-259ca1-0e4c2a
	456-101-713	EMC Atmos 50 TB	Atmos 50 TB	e8506a-ac1429-86c5b2
	456-101-714	EMC Atmos 6	Atmos 100 TB	f9437b-b4053f-9d8043
	456-005-006	NetWorker Windows	Windows Network Edition Power Edition	3b26bd-fcc784-9ca901
	456-004-622	NetWorker UNIX	UNIX Network Edition Power Edition	9c991e-5d58e1-2207e6
	456-004-960	NetWorker NetWare	NetWare Network Edition Power Edition	160698-dbe25e-cfe75c
	456-005-476	NetWorker Linux	Linux Network Edition Power Edition	9c991e-5d58fc-0ee4e6

Product				
Avamar	456-101-595	NetWorker 25		db5f5d-872721-95e9a1
	456-101-596	NetWorker 100		382aba-9fc479-80cd02
	456-101-597	NetWorker	ESX Server	9da81f-6159e0-decbe7
	456-100-484	NetWorker		a29324-605ee7-c7d1e8
Data Domain	456-100-513	NetWorker Data Domain	DD Boost NetWorker Data Domain	2126a3-6add66-a1eb6b
DiskBackup	456-100-697	NetWorker DiskBackup 1 1 TB	1 TB	8abb0c-4c76d0-52e6d0
	456-100-698	NetWorker DiskBackup 2 5 TB	6 TB	c27344-873c07-488988
	456-100-699	NetWorker DiskBackup 3 10 TB	10 TB	ca7b4c-8e340f-509190
	456-100-700	NetWorker DiskBackup 4 25 TB	25 TB	f24374-b10c37-78b9b8
	456-100-701	NetWorker DiskBackup 5 50 TB	50 TB	fa4b7c-b8043f-80c140
Virtual Tape Library	457-100-013	NetWorker 10 TB VTL	EMC VTL NetWorker 7.3.x EMC	838e7a-b97f7f-2790c9
	456-004-638	NetWorker	Data Domain CIFS/NFS VTL Data Domain	da5123-622613-815da0
	456-100-704	NetWorker 5 TB	NetWorker VTL 5 TB NetWorker EMC 10 TB VTL 15 TB 457-100-038 457-100-013 10 TB	e05462-a61e25-66a7aa

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EMC NetWorker 45

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Product				
Virtual Tape Library	456-100-042	NetWorker 10 TB	NetWorker VTL 10 TB NetWorker EMC 10 TB VTL 20 TB 10 TB 457-100-038 457-100-013	88bc0a-4176cd-0e4fd2
	456-100-043	NetWorker 25 TB	NetWorker VTL 25 TB NetWorker EMC 10 TB VTL 35 TB 10 TB 457-100-038 457-100-013	013783-ddff46-87c84b
	456-100-705	NetWorker 50 TB	NetWorker VTL 50 TB NetWorker EMC 10 TB VTL 60 TB 10 TB 457-100-038 457-100-013	4efad0-23a893-d41514
EDL	457-100-014	EDL NetWorker	EMC EDL 4xxx EDL ESN • • NetWorker •	9d9c1f-6a59ff-0f76e7 EDL ESN NetWorker
	457-100-038	NetWorker EMC 10 TB	NetWorker 7.4 EMC 4xxx EDL 10 TB 10 TB VTL	3b38bd-77c79e-0ebe01
	456-100-635	NetWorker 7.4 EDL	• NetWorker 7.3 EDL/CDL • 4xxx • NetWorker 7.4 EMC EDL 4xxx NetWorker 7.4 DL3D 1500/3000	da515c-9526a8-4dd5a0
EDL	457-100-227	Data Domain 10 TB	DL3D Data Domain DL3D VTL CIFS NFS Data Domain • NFS/CIFS DiskBackup • VTL •	N/A

Product				
Documentum	NetWorker Module for Documentum (NMD) <ul style="list-style-type: none"> <li>(EOS)  <a href="http://Powerlink.EMC.com/km/live1/en_US/Offering_Technical/Software_Download/Release_and_EOSL_Dates_-_NetWorker.pdf">http://Powerlink.EMC.com/km/live1/en_US/Offering_Technical/Software_Download/Release_and_EOSL_Dates_-_NetWorker.pdf</a> </li> <li>NMD  <a href="http://powerlink.emc.com/km/live1/en_US/Sales_Support/Presentation/NetWorkerModule_Documentum_EOL.pptx">http://powerlink.emc.com/km/live1/en_US/Sales_Support/Presentation/NetWorkerModule_Documentum_EOL.pptx</a> </li> </ul>			
(DDS)	456-004-678	Windows UNIX Linux (Universal) DDS	NetWorker NetWorker DDS	50d5d2-38ac8a-ebc31a
NetWorker	456-100-595	NetWorker Module for Microsoft SQL Server Windows	Server Windows Microsoft SQL	203ba2-eadc6b-11516a
	456-004-725	NetWorker Module for SAP Oracle UNIX	SAP UNIX Oracle	79fefb-3385a4-050bc3
	456-004-726	NetWorker Module for SAP Oracle Linux	SAP Linux Oracle	d25754-9a2e0a-74ba98
	456-005-031	NetWorker Module for SAP Oracle Windows	SAP Windows Oracle	9e8520-6e5aec-55a6e4
	456-101-780	NetWorker Module for Databases and Applications UNIX	UNIX Oracle DB2 Informix Lotus Notes	5edbe0-aa9aa7-03f924
	456-101-779	NetWorker Module for Databases and Applications Windows Linux	Windows Linux Oracle DB2 Informix Lotus Notes	4ed5d0-9aaa97-33f014
	456-100-633	NetWorker Module for Microsoft Applications (NMM)	DPM SQL Exchange VSS SharePoint Hyper-V	63fee5-099faa-6a9c29
	456-100-632	NetWorker Module for Meditech	EMC CLARiion EMC Symmetrix Meditech	8b960d-c477d2-a846d1



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EMC NetWorker 45

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Product				
NetWorker	456-100-595	NetWorker Module for Microsoft SQL Server Windows	Windows MS SQL	2a31ac-e4d661-075b70
	456-004-563	NetWorker Module for Oracle OpenVMS Alpha 1	Oracle OpenVMS Alpha Workgroup Server	7f8401-617bc1-566bc5
	456-004-564	NetWorker Module for Oracle OpenVMS Alpha 2	Oracle OpenVMS Alpha Departmental Server	fb787d-9d0745-d2e441
	456-004-565	NetWorker Module for Oracle OpenVMS Alpha 3	Oracle OpenVMS Alpha Enterprise Server	79fefb-1f85bb-ac61c3
	456-010-506	NetWorker Module for Oracle OpenVMS Integrity Server SGL	OpenVMS Integrity Oracle	1c199e-fcd864-f18b66
	456-004-617	NetWorker Module for SNMP	SNMP UNIX Windows	3fc4c1-01bb87-95b405
	456-100-042	NetWorker 10 TB	VTL 457-100-038 10 TB NetWorker EMC 10 TB VTL 20 TB	EMC
NetWorker OpenVMS	456-004-537	NetWorker OpenVMS Client for Alpha 1 5	Server NetWorker OpenVMS Alpha Workgroup	1d1d9f-e5d967-f0bc67
	456-004-539	NetWorker OpenVMS Client for Alpha 2 1	Server NetWorker OpenVMS Alpha Departmental	e76b69-ab1329-3eeaad
	456-004-542	NetWorker OpenVMS Client for Alpha 3 1	Server NetWorker OpenVMS Alpha Enterprise	e9696b-ad152b-3cf0b3
	456-010-504	NetWorker Client for OpenVMS (Integrity Server Single Pro)	Server NetWorker OpenVMS HP Integrity (Itanium) CPU/ Integrity Server CPU	6dedef-3189b7-a00d37
	457-000-128	NetWorker OpenVMS Client for VAX 1	NetWorker OpenVMS VAX Workgroup Server	
	457-000-131	NetWorker OpenVMS Client for VAX 2	Server NetWorker OpenVMS VAX Departmental	
	457-000-134	NetWorker OpenVMS Client for VAX 3	NetWorker OpenVMS VAX Enterprise Server	

Product				
NetWorker OpenVMS	457-000-119	NetWorker OpenVMS Alpha 1 1	OpenVMS Alpha Workgroup Server NetWorker <ul style="list-style-type: none"> <li>NetWorker Client on OpenVMS for Alpha Server</li> <li>Alpha Server NetWorker OpenVMS</li> </ul> Network Edition Power Edition Alpha	121794-c0ee52-cbec58
	457-000-122	NetWorker OpenVMS Alpha 2 1	OpenVMS Alpha Departmental Server NetWorker <ul style="list-style-type: none"> <li>NetWorker client on OpenVMS for Alpha Server</li> <li>Alpha Server NetWorker OpenVMS</li> </ul> Network Edition Power Edition Alpha	838005-537cd-5a1cc9
	457-000-125	NetWorker OpenVMS Alpha 3 1	OpenVMS Alpha Enterprise Server NetWorker <ul style="list-style-type: none"> <li>NetWorker Client on OpenVMS for Alpha Server</li> <li>Alpha Server NetWorker OpenVMS</li> </ul> Network Edition Power Edition Alpha	828704-507ec2-5b1dc8
	457-000-502	NetWorker OpenVMS Storage Node for Integrity Server Single Pro 1	OpenVMS Integrity Server NetWorker <ul style="list-style-type: none"> <li>NetWorker Client for OpenVMS on Integrity Server</li> <li>Integrity Server NetWorker OpenVMS</li> </ul> Network Edition Power Edition Integrity	010683-d1fd43-d49b4b

Product				
NetWorker PowerSnap 2.5.1	456-005-405	NetWorker PowerSnap 1 TB	PowerSnap Bundle TB NetWorker PowerSnap 2.5.1 NetWorker	EMC
	456-005-406	NetWorker PowerSnap 2 TB	PowerSnap Bundle TB NetWorker PowerSnap 2.5.1 NetWorker	EMC
2.5.1 NetWorker PowerSnap	456-005-381	NetWorker PowerSnap Module for EMC Symmetrix	PowerSnap EMC Symmetrix	EMC
	456-005-385	NetWorker PowerSnap Module for EMC Symmetrix DMX	PowerSnap EMC Symmetrix DMX	EMC
	456-005-386	NetWorker PowerSnap Module for EMC CLARiiion	PowerSnap EMC CLARiiion	EMC
	456-010-555	NetWorker for PowerSnap Module EMC RecoverPoint	PowerSnap EMC RecoverPoint	EMC
	457-000-159	NetWorker PowerSnap Module for NetApp	PowerSnap NetApp Appliance	EMC
	457-000-159	NetWorker Modules for Oracle AT Edition Kit	NetWorker PowerSnap Module for NetApp Oracle	EMC
	456-004-689	NetWorker NDMP 1	Celerra EMC NAS • PowerSnap Module for NetApp  • PowerSnap for NAS EMC	EMC

Product				
2.5.1 NetWorker PowerSnap	456-004-690	NetWorker NDMP 2	Celerra EMC NAS NDMP 2 EMC • PowerSnap Module for NetApp • PowerSnap for NAS EMC	EMC
	456-004-691	NetWorker NDMP 3	Celerra EMC NAS NDMP 3 EMC • PowerSnap Module for NetApp • PowerSnap for NAS EMC	EMC
	456-004-692	NetWorker NDMP 4	Celerra EMC NAS NDMP 4 EMC • PowerSnap Module for NetApp • PowerSnap for NAS EMC	EMC
	456-005-404	NetWorker PowerSnap 500 GB	Bundle TB PowerSnap TB	EMC
	456-005-405	NetWorker PowerSnap 1 TB	Bundle TB PowerSnap TB	EMC
	456-005-406	NetWorker PowerSnap 2 TB	Bundle TB PowerSnap TB	EMC
	456-005-407	NetWorker PowerSnap 5 TB	Bundle TB PowerSnap TB	EMC
	457-000-206	NetWorker PowerSnap Module for EMC Symmtrix 5 TB	Bundle TB PowerSnap TB	EMC

Product				
2.5.1 NetWorker PowerSnap	457-000-208	NetWorker PowerSnap Module for EMC Symmtrix DMX 5 TB	Bundle  TB	PowerSnap  EMC
	457-000-209	NetWorker PowerSnap Module for EMC CLARiion 2 TB	Bundle  TB	PowerSnap  EMC
	457-100-053	NetWorker PowerSnap Module for EMC RecoverPoint CDP 2 TB	Bundle  TB	PowerSnap  EMC
SnapImage	457-000-173	NetWorker SnapImage for Windows and Solaris	Microsoft Windows  SnapImage • 1 NDMP • SnapImage	Solaris  1  819803-2d7df4-824acb
NetWorker SNMP	456-004-617	NetWorker SNMP	Windows SNMP  • Network Edition • Power Edition	UNIX NetWorker  a7ac29-6953ef-7c6ced
	456-005-474	NetWorker Network Edition Storage Node for Linux	NetWorker Server Network Edition Linux	bdba3f-95391f-6f9d87
	456-101-769	NetWorker Power Edition Storage Node for Windows/Linux	Windows Power Edition Linux NetWorker 7.6	1b189d-cbe765-f8a661
	456-005-474	NetWorker Network Edition Storage Node for Linux	NetWorker Server Network Edition Linux	bdba3f-95391f-6f9d87
	456-010-511	NetWorker Network Edition Storage Node for Solaris	NetWorker Server Network Edition Solaris	1d1a9f-f5d97a-e8ee67

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EMC NetWorker 45

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Product				
	456-004-659	NetWorker Network Edition Storage Node for UNIX	NetWorker Server Network Edition UNIX	9c991e-4a58f9-696ae6
	456-001-665	NetWorker Network Edition Storage Node for UNIX 5	NetWorker Server Network Edition UNIX 5	9d9a1f-7559fa-686fe7
	456-004-660	NetWorker Network Edition Storage Node for Windows	NetWorker Server Network Edition Windows	6aefec-389618-dbdb30
	456-005-475	NetWorker Power Edition Storage Node for Linux	NetWorker Server Power Edition Linux	a0a522-765cf8-0a78ea
	456-010-512	NetWorker Power Edition Storage Node for UNIX	NetWorker Server Power Edition UNIX	eb686d-bb1787-5c3fb1
	456-005-123	NetWorker Power Edition Storage Node for UNIX	NetWorker Server Power Edition UNIX	eb686d-bb1787-5c3fb1
	456-005-124	NetWorker Power Edition Storage Node for Windows	NetWorker Server Power Edition Windows	ee6b70-a40a84-5926b4
	456-101-768	NetWorker Network Edition Storage Node for UNIX	UNIX NetWorker 7.6 Network Edition	7efb00-547ac6-5f4dc4
	456-101-767	NetWorker Network Edition Storage Node for Windows/Linux	Linux Windows NetWorker 7.6 Network Edition	191e9b-c9e55b-c6a063
	456-101-770	NetWorker Power Edition Storage Node for UNIX	Edition UNIX NetWorker 7.6 Power	7dfaff-5579c7-5842c7
	456-004-603	NetWorker 1-9	9	78f3fa-3284a0-12d6c2
	456-004-606	NetWorker 1-16	16	0f0691-c2eb59-b89e55
	456-001-624	NetWorker 1-20	20	7bf6fd-2a87de-3318c1
	456-004-602	NetWorker 1-32	32	1a0d9c-fde653-f87960
	456-001-633	NetWorker 1-40	40	878209-6273d2-3f11cd

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EMC NetWorker 45

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16

Product				
	456-004-607	NetWorker 1-64	64	b9b044-83c5fe-028b8a
	456-004-635	NetWorker 1-128	128	000b82-43fcf2-abbe4a
	456-004-636	NetWorker 1-256	256	44d1c7-07b085-014e0e
	456-004-762	NetWorker 1-400	400	0209fb-3afef0-a61048
	456-004-763	NetWorker 1-512	512	030efa-39ffff-a71149
	456-004-764	NetWorker 1-700	700	1d14e0-1fd965-193167
	456-004-638	NetWorker		da5123-622613-815da0
	456-001-624	NetWorker Workgroup Edition 1-20	20	7bf6fd-2a87de-3318c1
	456-004-602	NetWorker Workgroup Edition 1-32	32	1a0d9c-fde653-f87960
	456-004-603	NetWorker Workgroup Edition 1-9	9	78f3fa-3284a0-12d6c2
	456-004-606	NetWorker Workgroup Edition 1-16	16	0f0691-c2eb59-b89e55
	456-100-606	NetWorker 7.3	NetWorker Server 7.3.x	d47129-68201e-e0e29e
	457-100-004	NetWorker 1-9 1-16	1-9 16	8e8510-416ad6-4acad4
	457-100-005	NetWorker 1-16 1-20	1-16 20	6de4ef-2489b7-adaa37

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EMC NetWorker 45

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Product				
	457-100-006	NetWorker 1-20 1-32	32 1-20	0d048f-f0e957-cd4957
	457-100-007	NetWorker 1-32 1-40	40 1-32	cd444f-b82917-0d0897
	457-100-008	NetWorker 1-40 1-64	64 1-40	0d048f-90e957-cd4f57
	457-100-009	NetWorker 1-64 1-128	128 1-64	8f9a11-d26bd1-4bccd5
	457-100-010	NetWorker 1-128 1-256	256 1-128	0e0591-d1ea56-ca4c54
	457-100-075	1-256 1-400	400 1-256	020985-55fe42-d65148
	457-100-076	1-400 1-512	512 1-400	090089-ccf54b-d14753
	456-004-638	NetWorker	Data Domain CIFS/NFS	VTL Data Domain da5123-622613-815da0
NetWorker Virtual Edition Client	456-100-676	NetWorker	NetWorker	8bba0d-4f77d0-1109d1
	456-100-692	NetWorker 25	NetWorker 25	db5f5d-872721-95e9a1
	456-100-693	NetWorker 100	NetWorker 100	382aba-9fc479-80cd02
		NetWorker	NetWorker 500	CXLALAVY-MKNJVTW G-NF56DMP8
		NetWorker	NetWorker 1000	Y4W3HFQM-7RYV00A 2-Q4X1TVGL
	456-004-681	NetWorker Cluster Client Connection for Windows	NetWorker 7.4 SP1 Windows	e64d68-a81236-78d2ac
	456-004-682	NetWorker Cluster Client Connection for Windows 5	NetWorker 7.4 SP1 Windows 5	80ab02-467cd8-12c5ca
	456-005-477	NetWorker Cluster Client Connection for Linux	NetWorker 7.4 SP1 Linux	59f1db-1da583-f3ae23



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**EMC NetWorker 45**

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Product				
	456-005-478	NetWorker Cluster Client Connection for Linux 5	NetWorker 7.4 SP1 Linux 5	b49e36-7240e4-16e9fe
	456-004-685	NetWorker Cluster Client Connection for UNIX	NetWorker 7.4 SP1 UNIX	da705c-9c2602-7432a0
	456-004-686	NetWorker Cluster Client Connection for UNIX 5	NetWorker 7.4 SP1 UNIX 5	b69c38-7c42e6-28e7fc
NetWorker NDMP	456-004-689	NetWorker NDMP 1	EMC NAS NDMP EMC 1 EMC Celerra	81ac03-457dd9-45f5cb
	456-004-690	NetWorker NDMP 2	EMC NAS NDMP EMC 2 EMC Celerra	56f9d8-18a2a95b6c1c
	456-004-691	NetWorker NDMP 3	EMC NAS NDMP EMC 3 EMC Celerra	d07f52-922c27-d1e39a
	456-004-691	NetWorker NDMP 3	EMC NAS NDMP EMC 3 EMC Celerra	d07f52-922c27-d1e39a
	456-004-692	NetWorker NDMP 4	EMC NAS NDMP EMC 4 EMC Celerra	50ffd2-12aca7-51621a

Product				
NetWorker	456-010-513	NetWorker Network Edition Dedicated Storage Node for Solaris 7	NetWorker Server Network Edition Solaris	46c3c8-1cb296-d87a0c
	456-004-826	NetWorker Network Edition Dedicated Storage Node for UNIX 7	NetWorker Server Network Edition UNIX	c54247-9d3117-5ff88f 888d0a-6574e2-1aabd2 080d8a-e5f462-9a2a52
	456-004-824	NetWorker Network Edition Dedicated Storage Node for Windows 7	NetWorker Server Network Edition Windows	ec776e-ba082c-66d9b6 4ad1cc-23b6a0-c4f110 cb564d-a0373f-457391
	456-010-514	NetWorker Power Edition Dedicated Storage Node for Solaris 7	NetWorker Server Power Edition Solaris	c84d4a-9e3410-5af592
	456-004-827	NetWorker Power Edition Dedicated Storage Node for UNIX 7	NetWorker Server Power Edition UNIX	c74c49-9f3311-59f68d 898e0b-6275e1-1bb6d3 090e8b-e2f561-9b3753
	456-004-825	NetWorker Power Edition Dedicated Storage Node for Windows 7	NetWorker Server Power Edition Windows	e8736a-be1430-7addb2 4bd6cd-20b7bf-c5f011 d44f56-b92036-4e789e
	456-004-828	NetWorker Network Edition Dedicated Storage Node for Linux 7	Linux NetWorker Server Network Edition	51c8d3-3aad89-95c31b 8a8f0c-6376e0-04b9d0 0a0f8c-e3f660-843850
	456-004-829	NetWorker Power Edition Dedicated Storage Node for Linux 7	Linux NetWorker Server Power Edition	171c99-f4e343-df0e5d 8b880d-6077ff-05b8d1 0b088d-e0f77f-853951
	456-101-772	NetWorker Network Edition Dedicated Storage Node for UNIX Edition	UNIX NetWorker 7.6 Network Edition	3431b6-d9c07c-e1f87e
	456-101-774	NetWorker Power Edition Dedicated Storage Node UNIX Edition	Edition UNIX NetWorker 7.6 Power	3330b5-d8cf7d-e2fb79

Product				
NetWorker Server	456-101-238	NetWorker Server 7.5 Workgroup Edition UNIX Edition	UNIX NetWorker 7.5 NetWorker Server Workgroup Edition	b2b134-714ee5-2c83f8
	456-004-677	NetWorker Server Workgroup Edition UNIX Edition	Workgroup Edition UNIX NetWorker Server	3336b5-f2cf6a-ad0779
	456-005-471	NetWorker Server Workgroup Edition Linux Edition	Workgroup Edition Linux NetWorker Server	969518-5162c6-2dfddc
	456-004-987	NetWorker Server Workgroup Edition Windows Edition	Windows NetWorker 7.5 NetWorker Server Workgroup Edition	51dbd3-10ad99-cfcb1b
	456-010-507	NetWorker Server Workgroup Edition Solaris X64/X86 Edition	Solaris x86/x64 NetWorker Server Workgroup Edition SPARC Solaris UNIX	b2b134-714ee5-2c83f8
	456-101-237	NetWorker Server NetWorker 7.5 Network Edition Linux Edition	Linux NetWorker 7.5 NetWorker Server Network Edition	9d9c1f-6a59ff-0f76e7
	456-101-240	NetWorker Server NetWorker 7.5 Workgroup Edition Linux Edition	Linux NetWorker 7.5 NetWorker Server Workgroup Edition	979a19-5263c1-2cfcdd
	456-101-235	NetWorker Server NetWorker 7.5 Network Edition UNIX Edition	UNIX NetWorker 7.5 NetWorker Server Network Edition	bebd40-8b3a04-ff1484
	456-101-236	NetWorker Server NetWorker 7.5 Network Edition Windows Edition	Windows NetWorker 7.5 NetWorker Server Network Edition	232da5-ecdf6f-10aa69
	456-005-472	NetWorker Server Network Edition Linux Edition	Network Edition Linux NetWorker Server	9c9f1e-5558fc-0e73e6
	456-010-509	NetWorker Server Network Edition Solaris X64/X86 Edition	Solaris x86/x64 NetWorker Server Network Edition SPARC Solaris UNIX	2522a7-e9d16a-ab2b6f
	456-004-676	NetWorker Server Network Edition UNIX Edition	Network Edition UNIX NetWorker Server	ca494c-873616-4bd490
	456-004-984	NetWorker Server Network Edition Windows Edition	Server Network Edition Windows NetWorker	232da5-ecdf6f-10aa69

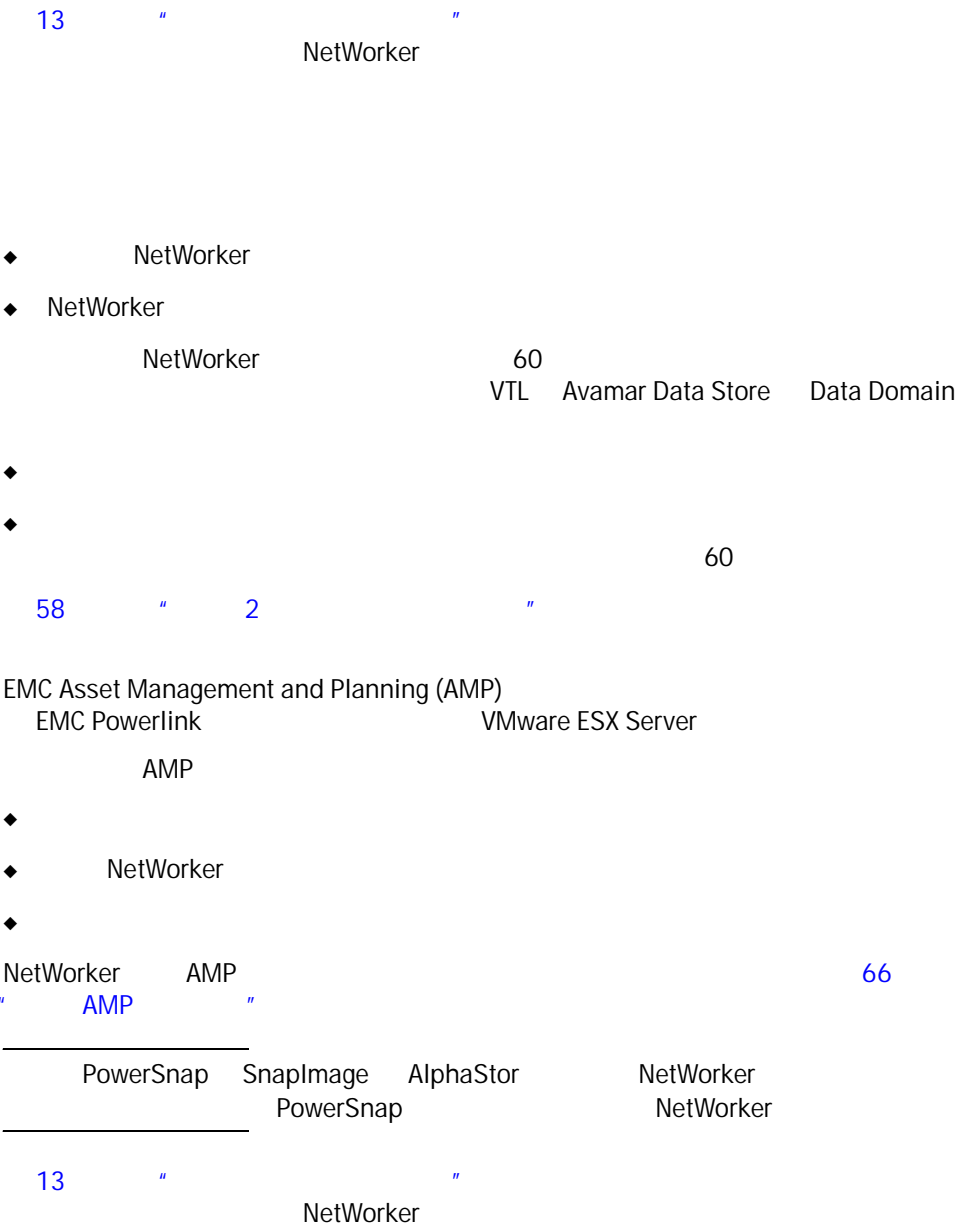
Product				
NetWorker Server	456-101-243	NetWorker Server NetWorker 7.5  Power Edition Linux Edition	Linux  NetWorker 7.5 NetWorker Server Power Edition	cc554e-85280c-7e8496
	456-101-241	NetWorker Server NetWorker 7.5  Power Edition UNIX Edition	UNIX  NetWorker 7.5 NetWorker Server Power Edition	eb746d-a41724-f75bb1
	456-101-242	NetWorker Server NetWorker 7.5  Power Edition Windows Edition	Windows  NetWorker 7.5 NetWorker Server Power Edition	f66578-b30229-ad4bbc
	456-005-473	NetWorker Server Power Edition Linux Edition	Power Edition Linux NetWorker Server	cb544d-84370d-7d8791
	456-010-510	NetWorker Server Power Edition Solaris X64/X86 Edition	Solaris x86/x64 NetWorker Server Power Edition SPARC Solaris UNIX	ea736c-a7163b-f656b0
	456-005-126	NetWorker Server Power Edition UNIX Edition	Power Edition UNIX NetWorker Server	e9726b-a6153a-e955b3
	456-005-139	NetWorker Server Power Edition Windows Edition	Server Power Edition Windows NetWorker	f16073-be0d24-a640bb
	456-005-139	NetWorker Server Power Edition Windows Edition	Server Power Edition Windows NetWorker	f16073-be0d24-a640bb
	456-100-631	NetWorker Server Network Power Edition Linux Edition	Linux Network Edition Power Edition  • • • Network Edition	f16073-be0d24-a640bb
	456-100-630	NetWorker Server Network Power Edition UNIX Edition	UNIX Network Edition Power Edition  • • • Network Edition	f16073-be0d24-a640bb
NetWorker	457-100-086	NetWorker FastStart with Autochanger for Linux	Linux NetWorker FastStart	6e96f0-258ab6-aed334
	457-100-085	NetWorker FastStart with Autochanger for Windows	Windows NetWorker FastStart	6dd6ef-2489b7-a9d337

# 3

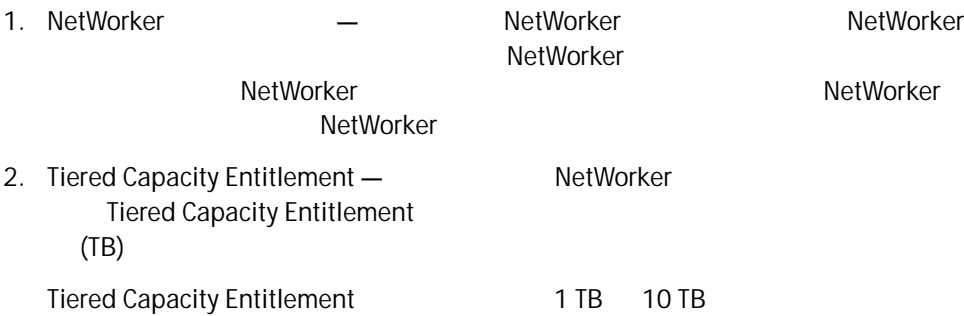
## NetWorker

- ◆ NetWorker ..... 54
- ◆ ..... 54
- ◆ NetWorker ..... 56
- ◆ ..... 57
- ◆ NetWorker ..... 58
- ◆ AMP ..... 66
- ◆ ..... 71

# NetWorker



## NetWorker



## NetWorker

## NetWorker

- ◆ AlphaStor
- ◆ NetWorker
  - 
  - NDMP
  -
- ◆ NetWorker
- ◆ NetWorker
- ◆ NetWorker Data Domain DD Boost
- ◆ NetWorker
- ◆ NetWorker
- ◆ NetWorker Fast Start
- ◆ NetWorker Module for Databases and Applications
- ◆ NetWorker Module for DB2
- ◆ NetWorker Module for Informix
- ◆ NetWorker Module for Lotus
- ◆ NetWorker Module for MEDITECH
- ◆ NetWorker Module for Microsoft Applications
- ◆ NetWorker Module for Microsoft Exchange Server
- ◆ NetWorker Module for Oracle
- ◆ NetWorker Module for SAP with Oracle
- ◆ NetWorker Module for Microsoft SQL
- ◆ NetWorker Module for Sybase
- ◆ NetWorker SNMP
- ◆ NetWorker

注意

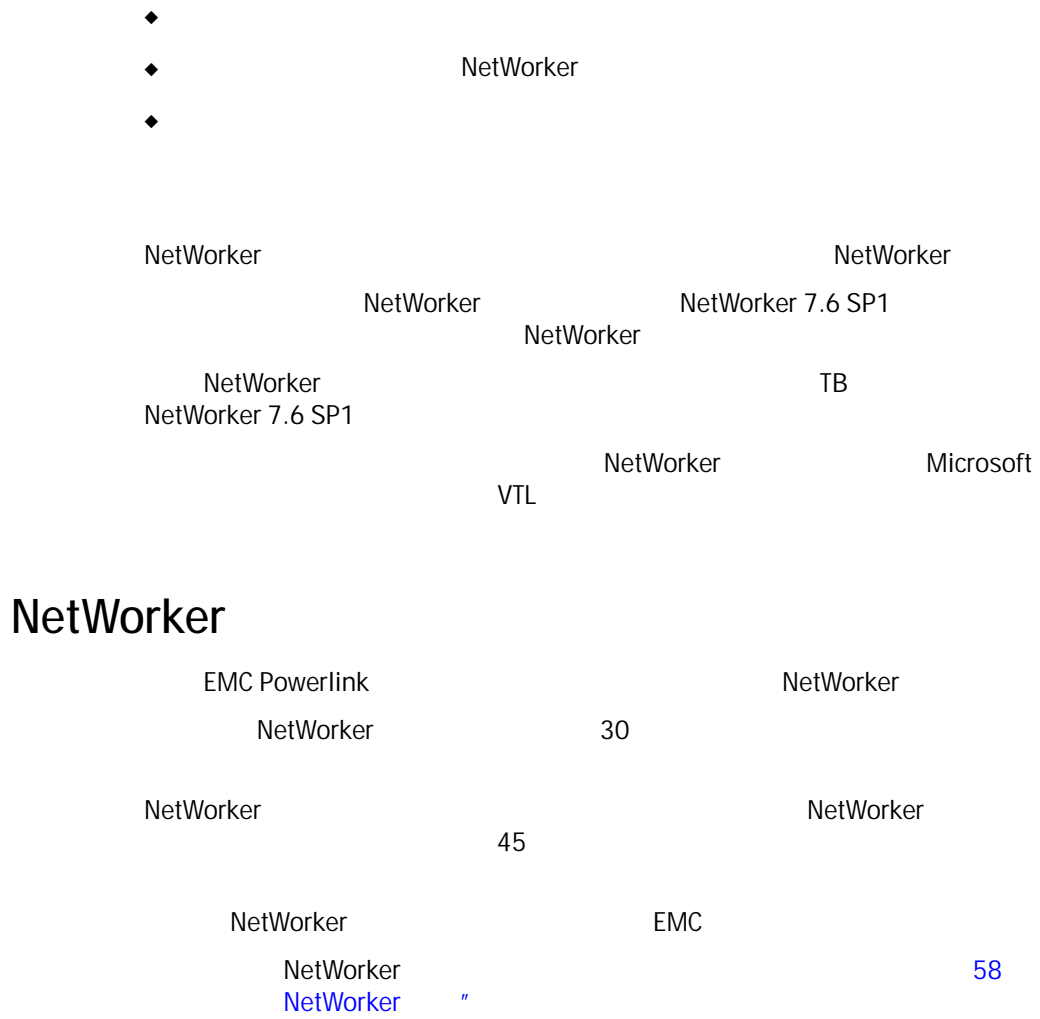
PowerSnap

SnapImage

NetWorker

PowerSnap

NetWorker





NetWorker

NetWorker

NetWorker

1 2

1.

2. EMC

NetWorker

NetWorker

EMC

LAC

3. EMC Powerlink

a.

b. NetWorker

LAC

ID

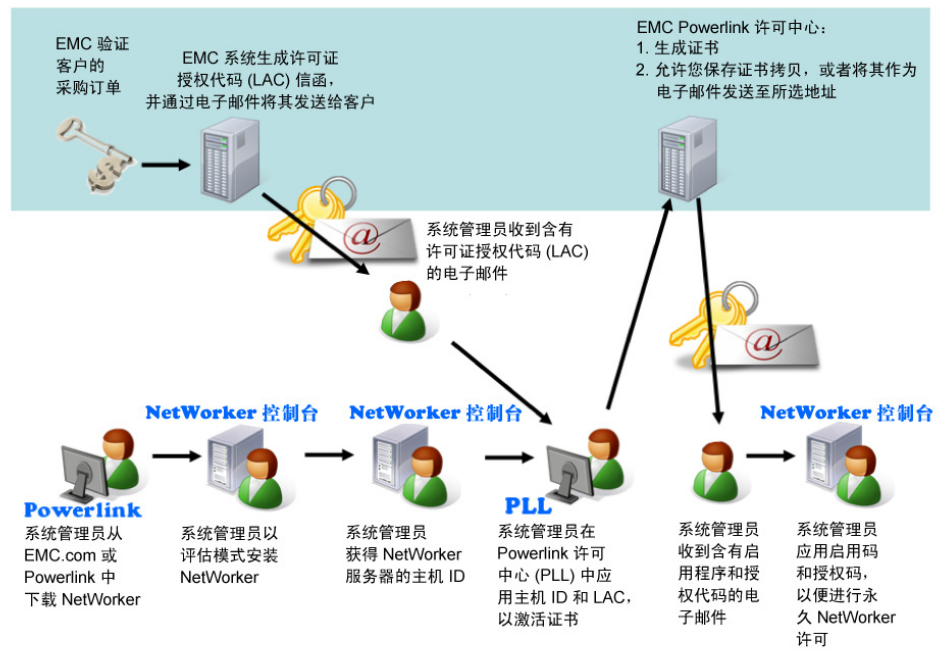
EMC Powerlink

PDF

4. NetWorker

57

2



2 NetWorker

# NetWorker

			NetWorker		
◆	58	"	1	NetWorker	"
◆	58	"	2	"	
◆	59	"	3	"	
◆	59	"	4	LAC	"
◆	59	"	5	NetWorker	ID"
◆	60	"	6	"	
◆	60	"	7	NetWorker	"
◆	61	"	8	NetWorker	"
◆	64	"	9		"
◆	65	"	10		"
◆	65	"	11		"
◆	65	"	12	NetWorker	"

1

## NetWorker

NetWorker                      NetWorker                      NetWorker  
NetWorker                      30                      NetWorker

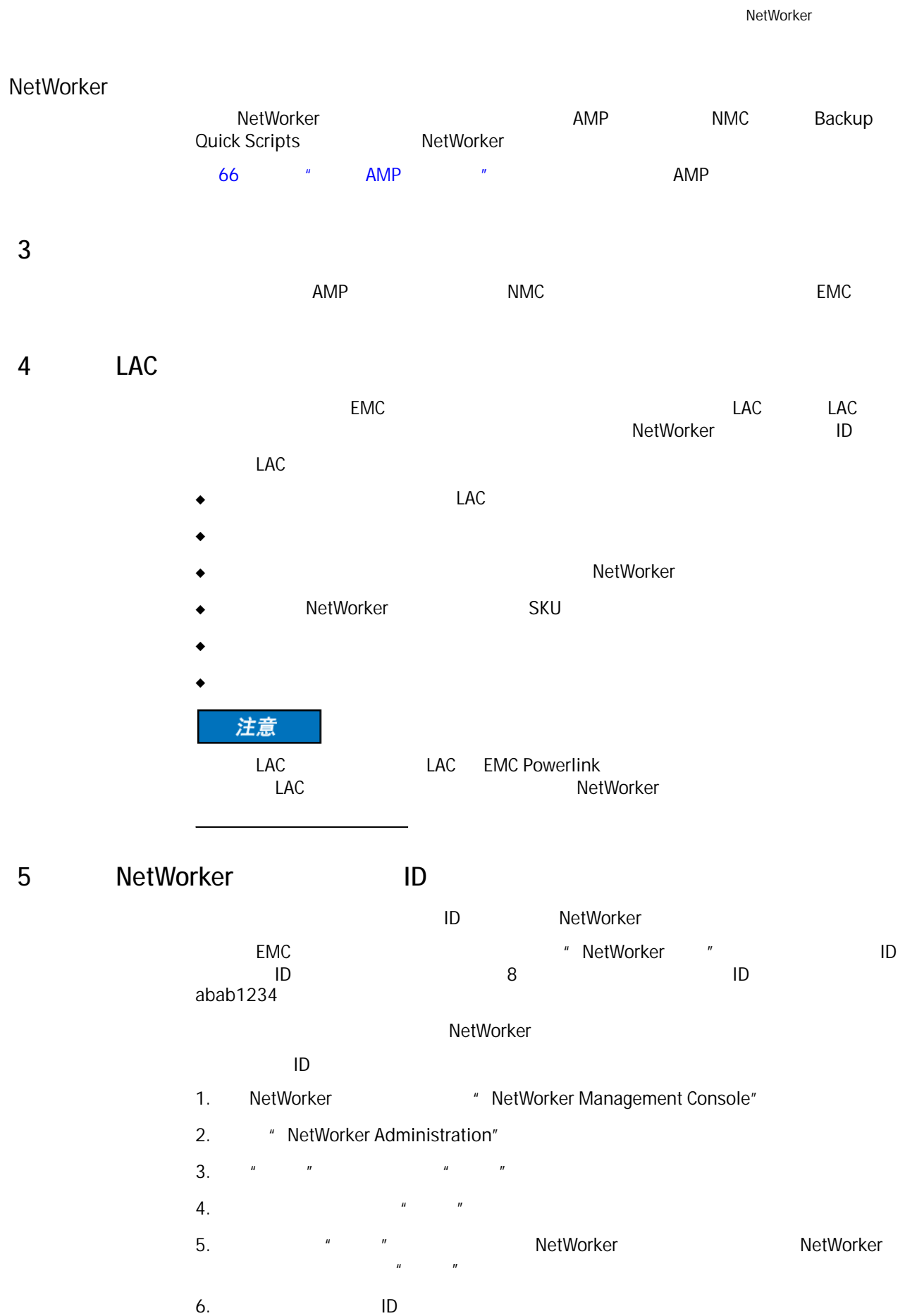
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NetWorker                      NMC                      EMC AMP  
NetWorker                      NetWorker                      60

NetWorker                      NetWorker                      24

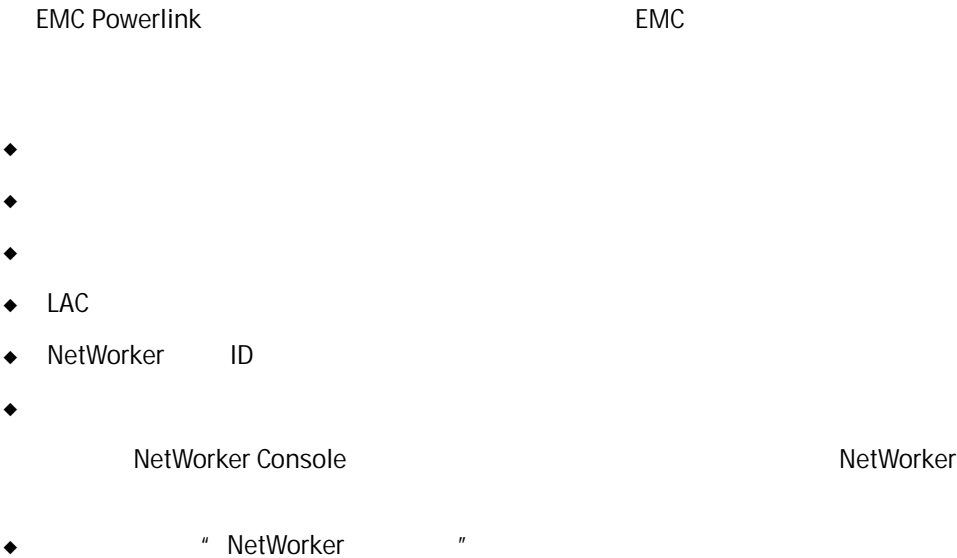
NetWorker

NetWorker                      EMC  
NetWorker  
EMC                      Backup Quick Scripts  
NetWorker                      60

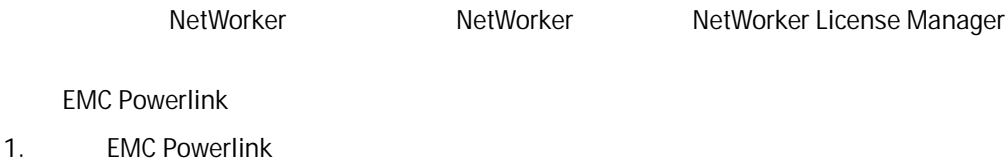


6

- NetWorker
1. EMC Powerlink  
<http://Powerlink.EMC.com>  
" "
2.
3. " " > " " > "
4. NetWorker " EMC Powerlink Licensing"
5. " LAC" LAC LAC
6. " Machine Name" ID
7.
- a. " Activation"
- b. LAC
8. " Locking ID" 59 " 5 NetWorker  
    ID" NetWorker ID
9. " Activate"



7 NetWorker



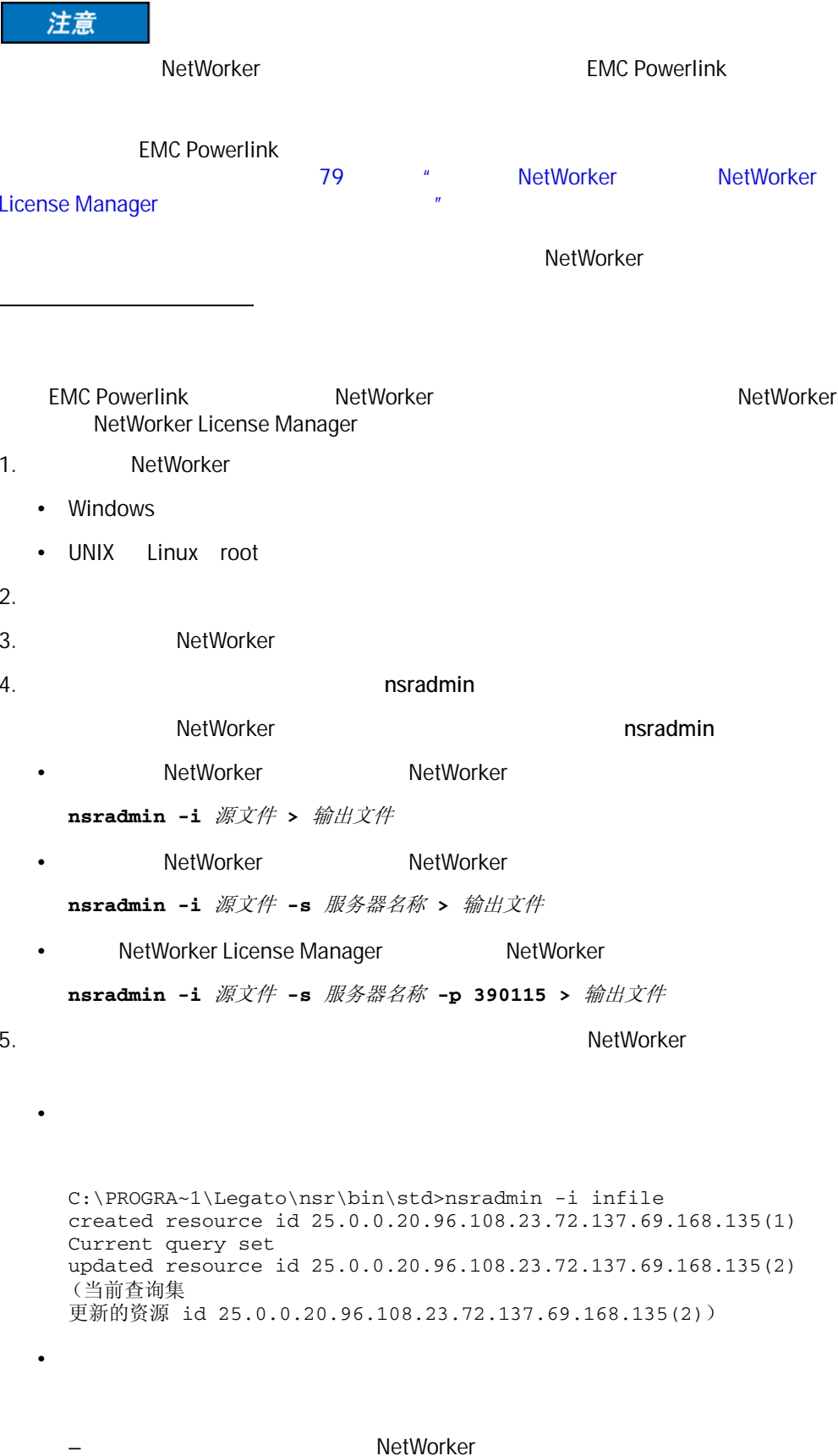
<http://Powerlink.EMC.com>

2. " EMC Powerlink Licensing Home"
  - a. " " > " " > " "
  - b. " D-Q" NetWorker
  - c. " EMC Powerlink Licensing Home"
    - LAC ID
    - EMC Powerlink
3. " EMC Powerlink Licensing Home" " Download Enabler Codes"
  - " Search for Downloading Enabler Codes"
4. " %HostID" 59 " 5 NetWorker
  - ID" NetWorker ID
5. " Search" " Search for Downloading Enabler Codes"
6. ID " Download"
7. " Download Enablers"
  - a. " Download CSV"
    - CSV
    - Excel
    - /D.csv
    - df010b3f.csv
  - b. " Download nsradmin"
    - /D\_ .nsradmin
    - df010b3f\_20080814.nsradmin
  - c. " Download ReadMe"
    - nsradmin
    - ReadMe\_ /D\_ .txt
    - ReadMe\_df010b3f\_20080814.txt
    - EMC Powerlink

## 8 NetWorker

NetWorker

- ◆ 62 " NetWorker "
- ◆ 63 " NetWorker "



```
C:\PROGRA~1\Legato\nsr\bin\std>nsradmin -i infile
create failed: A license enabler already exists with enabler
code xxxxxx-xxxxxx-xxxxxx
(创建失败: 存在一个许可证启用码, 为 xxxxxx-xxxxxx-xxxxxx)
当前查询集
updated resource id 25.0.0.20.96.108.23.72.137.69.168.135(3)
```

nsradmin  
NetWorker

— NetWorker

```
C:\PROGRA~1\Legato\nsr\bin\std>nsradmin -i infile pasb-tomp
39078:nsradmin: RPC error: Program not registered (severity 4,
number 15) (39078: nsradmin: RPC 错误: 程序未注册 (严重程度为 4, 编
号为 15))
```

NetWorker

NetWorker

NetWorker

NetWorker

NetWorker

1. NetWorker

- Windows
- UNIX Linux root

2. NetWorker

**mminfo -B**

3. NetWorker

**savegrp -G 组名 -N 并行度 -c 客户端名称**

savegrp

4. EMC

a.

**echo print type : NSR license | nsradmin > saved\_enablers.txt**

b.

nsrcap

5.

**nsrcap -u 容量基本许可证 -a 授权码**

6. NetWorker

a. NetWorker

b.

**nsrcap -u NetWorker 数据区启用码 -a 授权码**

9

- ◆ AlphaStor
- ◆ PowerSnap
- ◆ SnapImage
- ◆ NetWorker

注意

AlphaStor	PowerSnap	SnapImage	NetWorker
PowerSnap		NetWorker	

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- ◆ NetWorker
- ◆ Tiered Capacity Entitlement

54 " NetWorker "

- ◆ 30
- ◆

注意

- NetWorker

-

NetWorker

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1.  
`echo print type : NSR license | nsradmin > saved_enablers.txt`
2. " " " "
3. " "
4. " "



注意

EMC NetWorker

- 5.
- 6.

10

`echo print type : NSR license | nsradmin > capacity_enablers.txt`

11

- 1.
  - nsrlc
  - NMC
  - NetWorker
  - NetWorker NetWorker 7.6 SP1 NetWorker
- 2.
  - nsrcap NetWorker
- 3.
  - NetWorker
  - 63 " NetWorker "
  - NetWorker

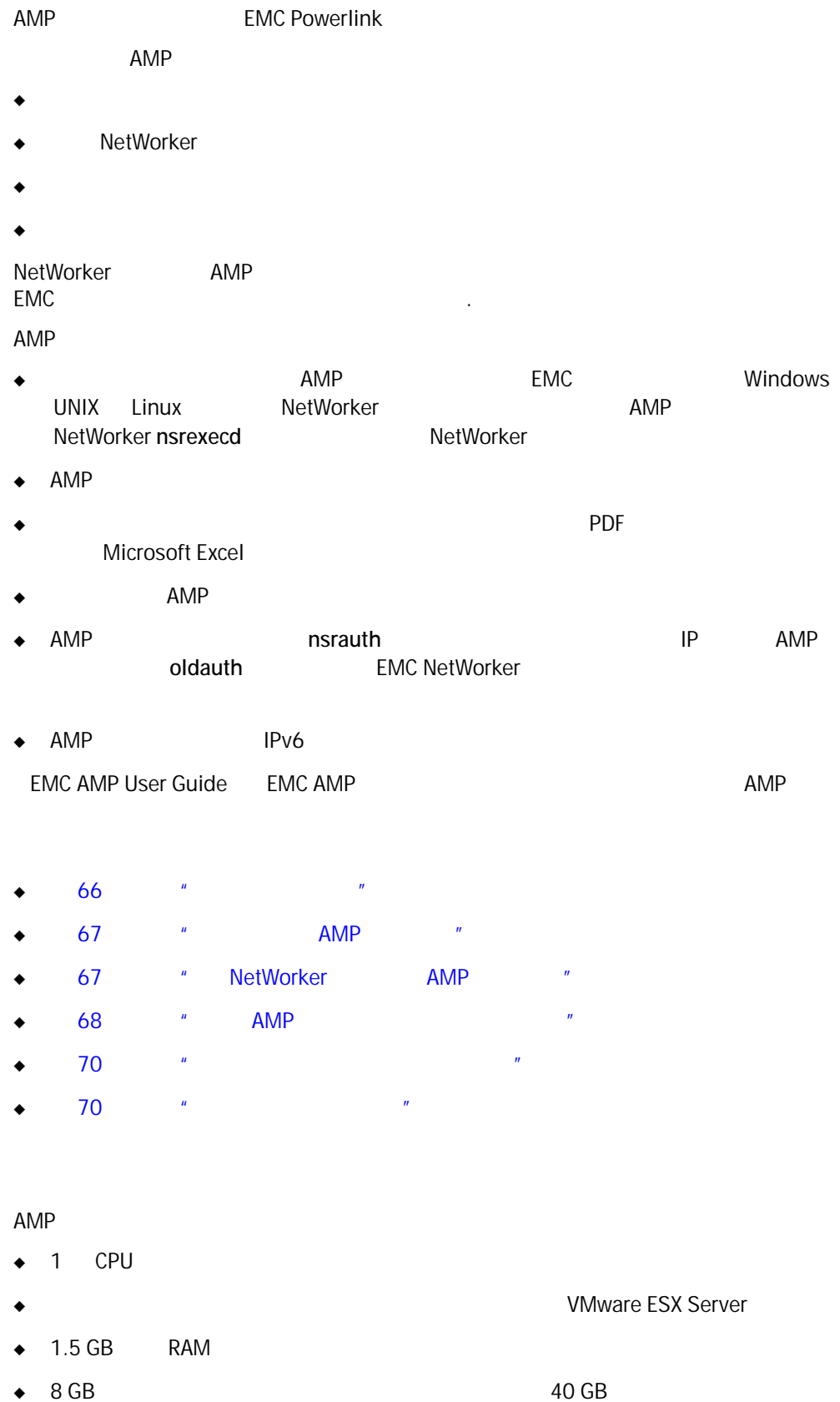
**注意：**如果未能在将基本启用码降级至传统许可之前输入以前安装的所有传统启用码，则可能会禁用某些 NetWorker 资源。

12 NetWorker

NetWorker NetWorker

`savegrp -G 组名 -N 并行度 -c 客户端名称`  
`savegrp`

# AMP



AMP

VMWare Player

## AMP

AMP

1. AMP EMC Powerlink  
支持 > 产品和诊断工具 > **Asset Management and Planning (AMP)**

2. ZIP

VMware ESXi

AMP-Base.vmx

3. AMP  
VMware ESXi  
root  
amp password AMP  
AMP Web AMP

4. " AMP "  
a. " "  
b. " "  
c. " IP NIC "  
d. IP

5. IP

6. URL IP IP  
<https://10.64.45.32:8443/amp-web/app/mysum/index>

7. Web URL

Web

- Firefox 3.6
- Chrome 5

8. URL  
URL IP URL

NetWorker

AMP

AMP

AMP

200

NetWorker  
NetWorker

1

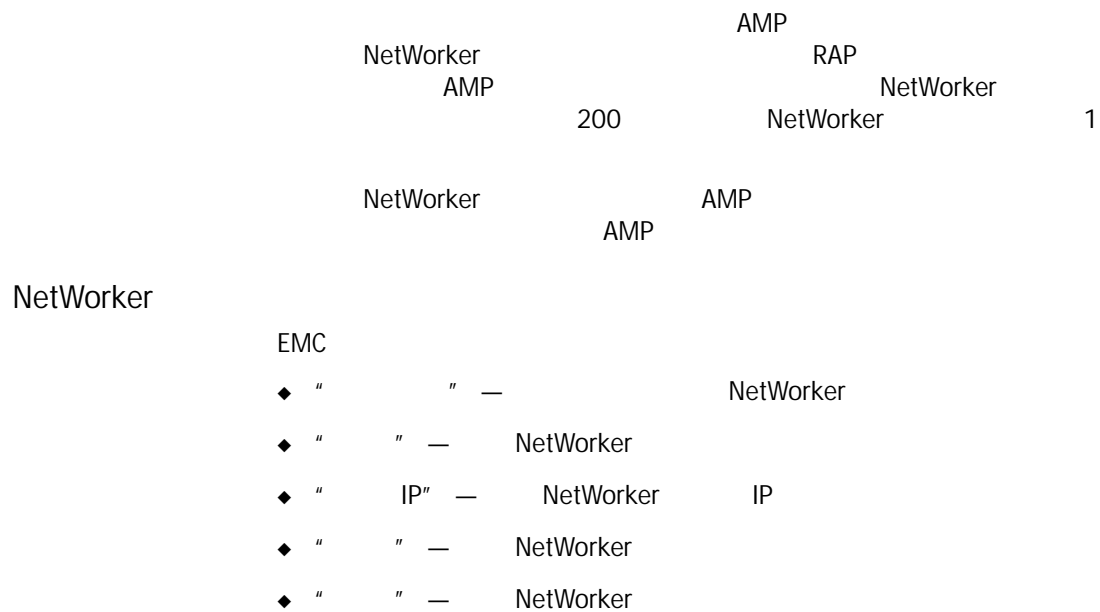
注意

AMP

1. AMP NetWorker IP
2. AMP
  - admin
  - admin
3. NetWorker
  - a. " EMC AMP "
  - b. " " " "
  - c. " "
  - 
  - " NetWorker"
  - IP
  - NetWorker
  - " "
4.
  - " "
  - " "
  - " 1"
  - " "

24
5. " "

## AMP



- ◆ " " — NetWorker
  - ESTIMATED TB GRAND TOTAL NetWorker
  - ESTIMATED TB SUBTOTAL
  - |
  - agnes|C:\WCW-AROWANA|MS-SQL
  - " " — " "
  - " " —
- 69 3 NetWorker

Product Usage Information								
Product Name	Ver	Proxy IP	Platform	Asset	Metric	Value	Timestamp	
<input type="text" value="Filter/Sort"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
NetWorker	7.5.1	137.69.224.112	Solaris 9	0729c596718fb91908f00c03ed63755e3e9f21d8	ESTIMATED TB GRAND TOTAL	36.106	7/29/10 3:02:28 PM EDT	
					WCW-AROWANA ESTIMATED TB SUBTOTAL: 0.015		7/29/10 3:02:28 PM EDT	
					WCW-AROWANA C:\	0.011	7/29/10 3:02:28 PM EDT	
					WCW-AROWANA D:\	0.003	7/29/10 3:02:28 PM EDT	
					WCW-AROWANA MS-SQL	0	7/29/10 3:02:28 PM EDT	

Showing 26-50 of 2147

Page 2 of 86

3 EMC

NetWorker

1. EMC AMP NetWorker
  2. " " " NetWorker"
  3. " / " NetWorker
- PDF Microsoft Excel

1.

- 

2.

- 
- 
- 

1%

105%

---

PowerSnap

VTL

---

Oracle

3.

- 

1.2-2

50%

85%

AMP

NetWorker

NetWorker

60

NetWorker

NetWorker

24

1.

NetWorker EMC

EMC

- ESTIMATED TB GRAND TOTAL NetWorker
- ESTIMATED TB SUBTOTAL < >
- < > | < >

2.

70

//

//

a.

b. NetWorker EMC

Microsoft Excel NetWorker EMC  
 NetWorker Microsoft Excel

1 NetWorker  
 EMC NetWorker NetWorker 2010 10 TB

2 NetWorker Server 7.6 SP1 NetWorker  
 ♦ Microsoft /VTL Oracle  
 ♦

3 NetWorker NetWorker 7.6 SP1

4 NetWorker

NetWorker

5 NetWorker

6 NetWorker NetWorker NetWorker

55 " NetWorker "

注意

AlphaStor PowerSnap SnapImage NetWorker  
 PowerSnap NetWorker

7

NetWorker

NetWorker

8

NetWorker

NetWorker

9

NetWorker

SQL Server

5TB

NetWorker

NetWorker

SQL Server

10

(TB)

NetWorker

11

NetWorker

Avamar

NetWorker

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◆ VTL

◆ Avamar Data Store

◆ Data Domain

Avamar

12

NetWorker

Data Domain

NetWorker

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◆

◆ VTL

◆ Avamar Data Store

◆ Data Domain

13

Data Domain Boost

DD Boost

Data Domain

14

◆

NetWorker

◆

NetWorker

NetWorker

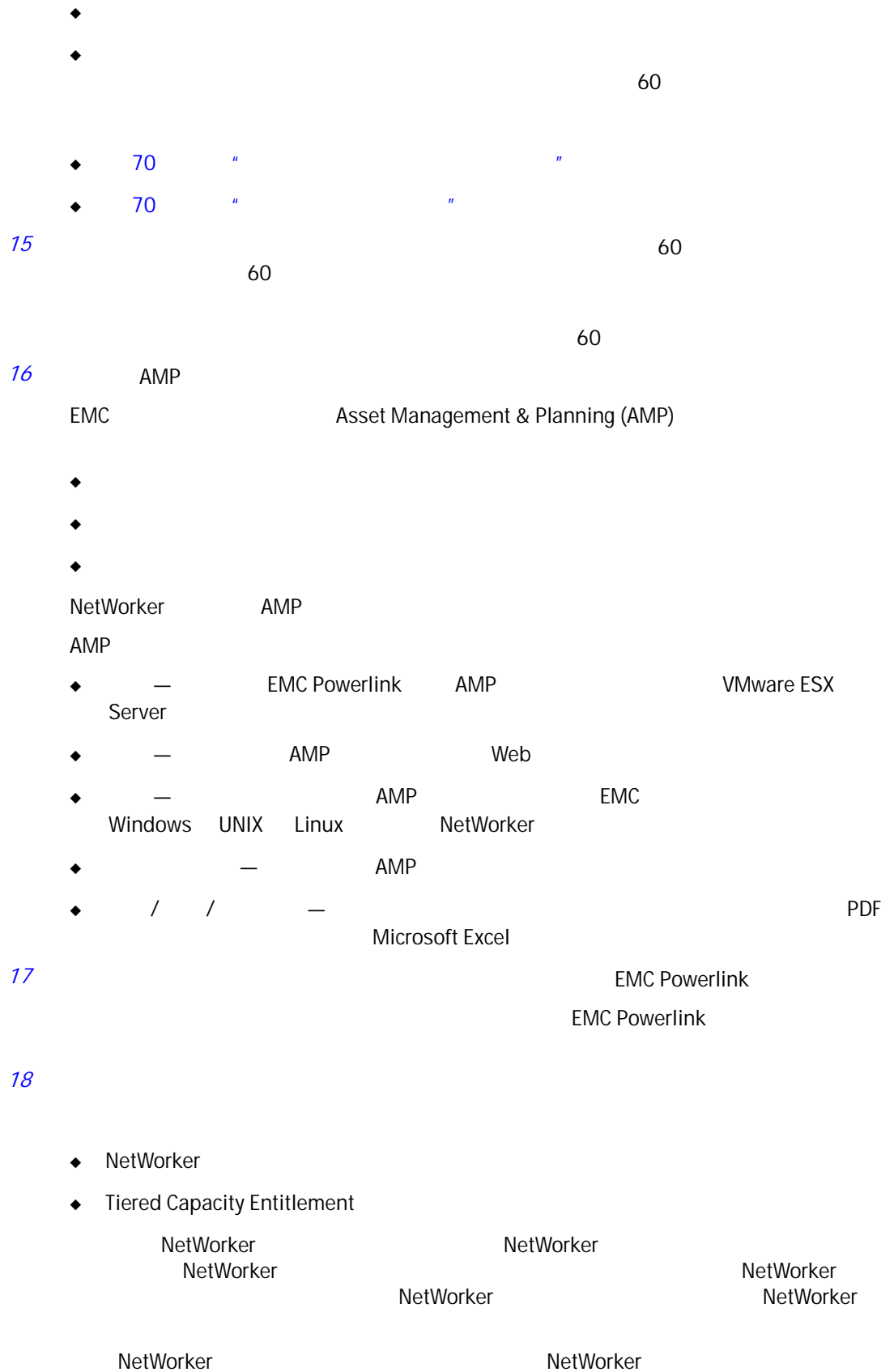
60

VTL

Avamar Data Store

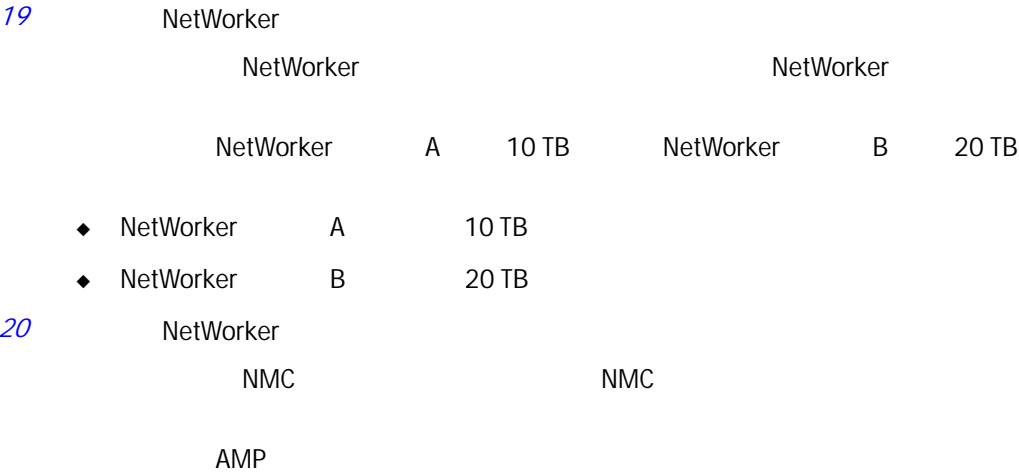
Data Domain



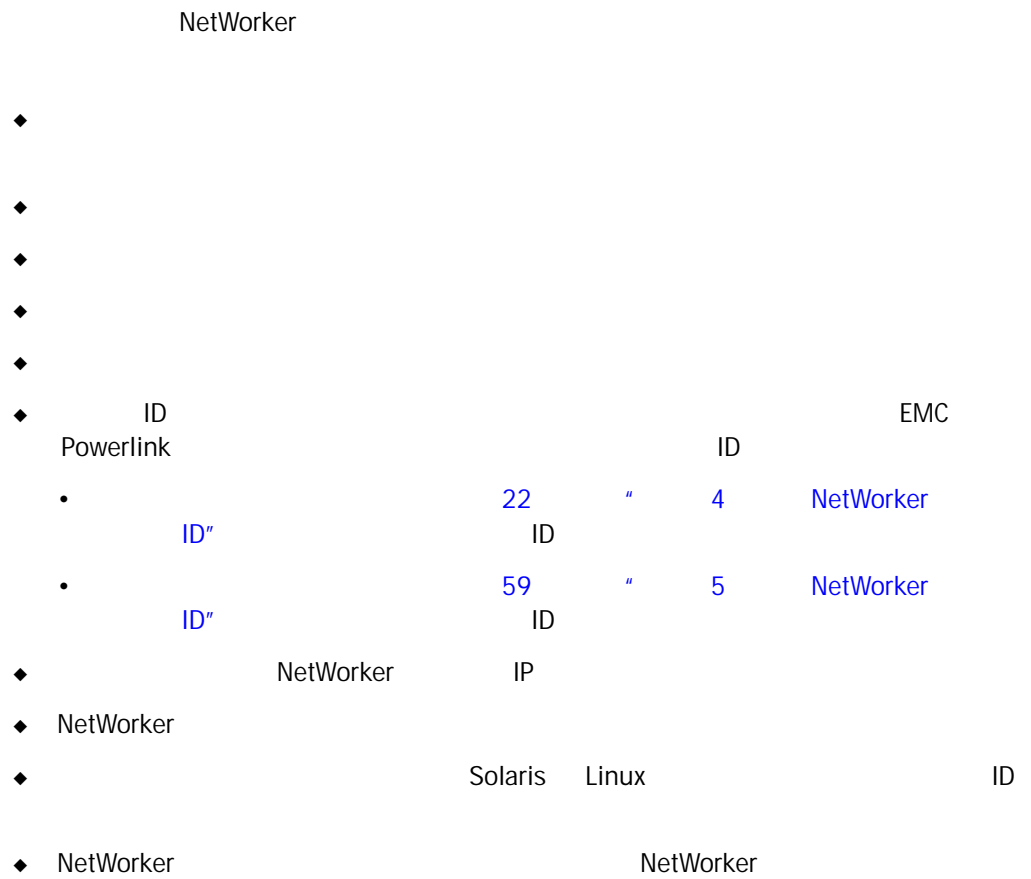


注意

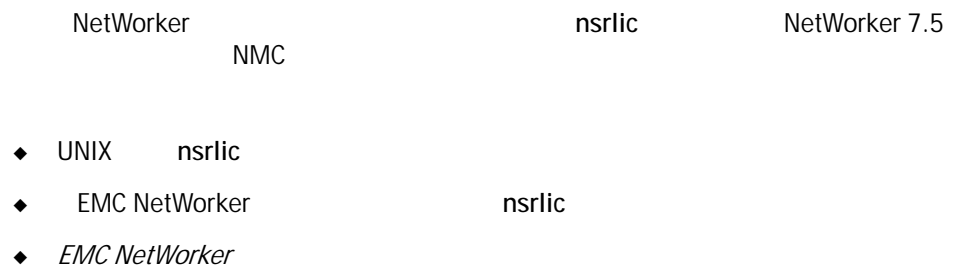
AlphaStor   PowerSnap   SnapImage   NetWorker  
PowerSnap   NetWorker



- ◆ ..... 76
- ◆ NetWorker ..... 76
- ◆ ..... 77
- ◆ ..... 77
- ◆ NetWorker NetWorker License Manager ..... 79
- ◆ ..... 81
- ◆ ..... 82
- ◆ ..... 83



## NetWorker



NetWorker

1. ID ID " "  
22 " 4 NetWorker ID"
2. EMC Powerlink NetWorker
3.
  - EMC Powerlink NetWorker
  - EMC Powerlink NetWorker License  
Manager

-s

- ◆ UNIX /usr/sbin/nsrlic -s bacoor
- ◆ Windows NetWorker \bin\nsrlic -s bacoor

其中，bacoor 是要查询的服务器名称。

NDMP

-v

/usr/sbin/nsrlic -v bacoor

-v bacoor

"nsrlic: Remaining"

sv=12 12  
STANDARD CLIENT LICENSES " 12."

1

12116: nsrlic: 许可证摘要:  
66441: nsrlic: 可用 : sv=12, virt=1, ndmp=0  
64047: nsrlic: 已借用 : sv\_borrowed=2  
66442: nsrlic: 保留 : sv=7, virt=3, ndmp=0  
nsrlic: 已连接的客户端 : (4)  
nsrlic: Saturn, Mars, Venus, Jupiter  
nsrlic: 已连接的虚拟客户端物理主机 : (3)  
nsrlic: esx-11 esx-38 sol-zone-jupiter

标准客户端许可证  
 可用: 12  
 已用: 3  
 已借给虚拟客户端: 2  
 保留: 7  
 已连接的客户端: Saturn, Mars, Venus, Jupiter

虚拟客户端许可证  
 可用: 1  
 从服务器借用: 2  
 已用: 3  
 保留: 0  
 已连接的虚拟客户端物理主机: esx-11、esx-38 sol-zone-jupiter

NDMP 客户端许可证  
 可用: 0  
 已用: 0  
 保留: 0  
 已连接的客户端

服务器 / 群集客户端类型  
 AIX: 0  
 Digital UNIX: 0  
 HP UX: 0  
 HP MPE: 0  
 Linux: 0  
 NetWare: 0  
 Network Appliance: 0  
 IBM DYNIX/ptx: 0  
 SGI: 0  
 Solaris: 2  
 SunOS: 0  
 UnixWare: 0  
 Windows NT Server: 8

工作站客户端类型  
 DOS: 0  
 Macintosh: 0  
 OS/2: 0  
 OS/2: 0  
 Windows 3.1x: 0  
 Windows 95: 0  
 Windows NT Workstation: 1  
 UX/4800: 0  
 其他: 0

已定义的客户端                      5.0 版之前的客户端类型

应用程序许可证  
 NetWorker Module for Microsoft SQL Server  
 可用: 1  
 已用: 1  
 保留: 0  
 已连接的客户端: SQLhost\_7

NetWorker Module for Microsoft Exchange Server  
 可用: 4  
 已用: 3  
 保留: 1  
 已连接的客户端: Exch1、Exch17、Exch18

NetWorker Module for Oracle、UNIX 客户端 /1  
 可用: 2  
 已用: 0  
 保留: 2  
 已连接的客户端:



EMC Powerlink  
NetWorker

NetWorker

NetWorker      NetWorker License Manager

1.      NetWorker Management Console
2.      "      "
  - a.      " Console"      "      "
  - b.      "      "      NetWorker
  - c.
  - d.      "      "      "      "      "      "
3.      "      "      "      "
4.      "      "
5.      "      "      "      "      "      "
6.      "      "      "
7.      "      "      "      "
8.      "      "      "      "      "      "
9.      "      "      "      "      "      "
10.      "      "

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ID

(LAC)

" "

" "

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NetWorker

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ID NetWorker  
EMC Powerlink

15  
NetWorker

11. " "

12.

已授权 — 没有过期日期。

13.

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" "

" "

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— "

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ID

ID

ID

EMC Powerlink

—

<http://Powerlink.EMC.com>

14.

79

4

80

13



NetWorker

NetWorker

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- ◆
- ◆
- ◆
- ◆

Console  
NetWorker

NetWorker

1. Console " "
2. " NetWorker Administration" NetWorker "
3. " "
4. " " > " " "
5. " " " "
6. " " " "

- ◆

- NetWorker NetWorker
- NetWorker
- " " " " " "
- — NetWorker  
— " "

```

_ " " " "
_ " "
• NetWorker
•
◆
•
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•
• % DiskBackup
Option
• DiskBackup
◆
◆ DiskBackup Option (DBO) (VTL) " "
DBO VTL " " DBO
VTL DBO VTL " " "
"
◆ NetWorker License Manager
◆ Console " " " "
◆ /nsr/logs
◆ NetWorker
◆ " " (nsr)
◆ " "
◆ licensing@EMC.com
EMC Powerlink
◆ licensing@emc.com NetWorker
Powerlink.EMCS.com EMC Powerlink

```

- ◆ NetWorker
- ◆ 83 " "
- ◆ 83 " NetWorker "
- ◆ 84 " "
- ◆ 84 " "

- ◆ NetWorker
- ◆ NetWorker Server Edition
- ◆
- ◆
- ◆
- ◆ (VTL)
- ◆ (DBO)
- ◆

## NetWorker

- ◆ NetWorker
- ◆ NetWorker
- ◆ NetWorker 7.5 NetWorker
- Update/8 NetWorker 7.0
- Update/9 NetWorker 7.3
- NetWorker 7.4
- ◆ EMC NetWorker Release Notes EMC
- NetWorker

◆ 30

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ID NetWorker  
EMC Powerlink

NetWorker

15  
NetWorker

nsrkap

NetWorker

1. NetWorker

2.

**nsrkap -u** 基本启用码 **-a** 授权码

5

NetWorker License Manager

- ◆ EMC NetWorker License Manager ..... 86
- ◆ ..... 86
- ◆ ..... 86

EMC NetWorker License Manager  
NetWorker License Manager

## EMC NetWorker License Manager

NetWorker License Manager  
NetWorker

NetWorker License Manager  
NetWorker

NetWorker

NetWorker  
IP

NetWorker License Manager

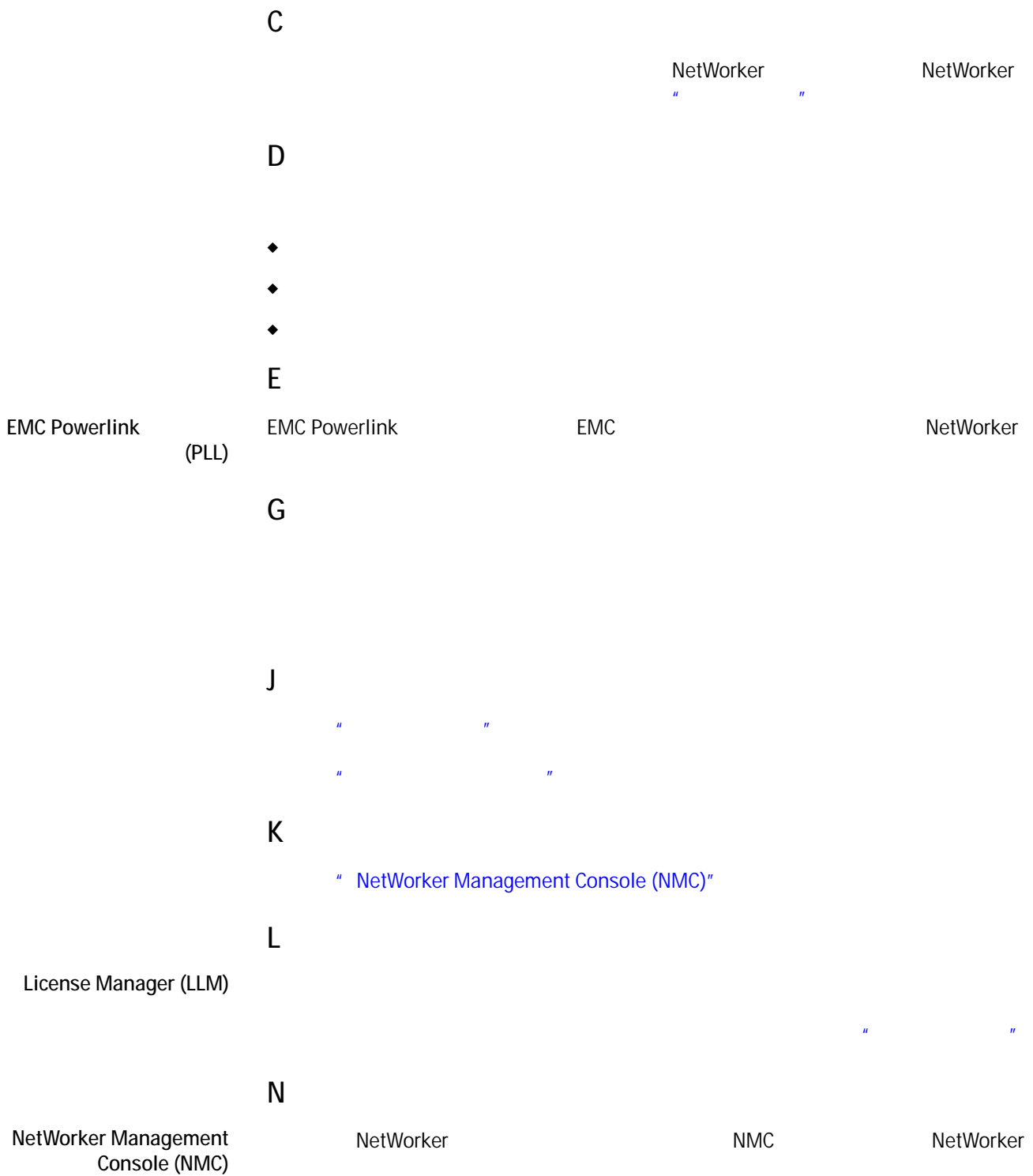
NetWorker License Manager  
NetWorker License Manager

NetWorker License Manager

1. " Console" " "
2. " " " " " "
3. " "
4. " OK"

NetWorker License Manager

1. " Console" " " " "
2. " "
3. " "
4. " OK"



NetWorker

NetWorker

P

PLL

" EMC Powerlink

(PLL)"

Q

◆ EMC Powerlink Entitlement for NetWorker

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S

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(LAC)"

T

NetWorker

NetWorker

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LAC

EMC Powerlink

Y

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Z

ID

NetWorker License Manager

NetWorker