

🗐 vm ware	uluulu cisco	EMC ²
EMC Corporation: A	At a Glance	
Revenues (2008):	:	\$14.9 billion
Net Income (2008):	:	\$1.4 billion
Employees (end Q2 2009 work	dwide):	≈ 41,500
Countries where EMC de	oes business:	> 80
R&D Investment (2009 estin	nate):	\$1.5 billion
Total Cash and Investme	ents (end Q2 2009):	\$10 billion
Operating Cash Flow (1H	2009):	\$1.44 billion
Free Cash Flow (1H 2009):	:	\$1.1 billion
Market Capitalization (Aug	gust 3, 2009):	> \$30 billion
Founded:		1979









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Cloud Services		
Cloud computing enal Characteristics: – Offsite, may be provi – Accessed via the lint – Minimal/no IT skills t – Underlying technolog – Web browser or web – Dedicated or shared – Measured service	bles cloud services ded by third-party vendor arnet o implement cloud services gy is transparent to the user service API based access resources	
Cloud service offering – SaaS, PaaS, IaaS	is classified into three models	



























































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Avamar: Real-World Results Avamar daily full backups versus traditional daily full backups				
Data Type		Amount of Primary Data Backed Up	Amount of Data Moved Daily	
Windows file system	ns	3,573 GB	6.1 GB	
Mix of Windows, Lin	nux, and UNIX file systems	5,097 GB	11.7 GB	
Engineering files or	NAS (NDMP backups)	3,265 GB	24.2 GB	
Mix of 20% database file systems (Windo	es, 80% ws and UNIX)	9,583 GB	80.0 GB	
Mix of Linux file sys	stems and databases	7,831 GB	104.2 GB	
Source: EMC				
14/1-11	Lucan Inc. data tu	and a second second		

While results will vary by data type and mix, Avamar can dramatically improve backup performance and efficiency



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Avamar Support and Applications Client operating systems 1 Microsoft Windows Server 2003 Star Microsoft Windows Server 2003 Microsoft Windows Arev 2008 Microsoft Windows AP, XP Profession Red Hat Linux 9.0 SUBE Linux Enterprise Linux (RHEL) 3.0 Solaris 8, 9, 10 SUBE Linux Enterprise Server 8.2, 9, BM AIX 5.2, 5.3, 6.1 HPLVI 10, 11/11, 11/12, 11/13 Micro CS X 10.4x, 10.5x NetWare 5.	Add Operating Syste supported dard and Enterprise Advanced Server Advanced Server Adv. 5.0 10 20 20 20 20 20 20 20 20 20 2	modules fice SharePoint Server 2007 cchange 2000, 2003, 2007 2L Server 7.0, 2000, 2005, 2008 3g, 10gR2, 11g 2x, 9.5 C Celerra with DART 5.5, 5.6) App Data ONTAP 6.5, 7.0.4, 7.0.5, (2) omino astructure
Free BSD 6.2 Novell Storage Services (NSS) OES 2 SCO UNIX 7.1.3	2 VMware ES2 2 Search operation (support within virtu- client operating syst	X Server 3.0.x, 3.5, 3i sing system-certified using RHEL 4 client al machines depends on VMware support of term)
No charge for cl	ient agents or applic	ation modules!
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