

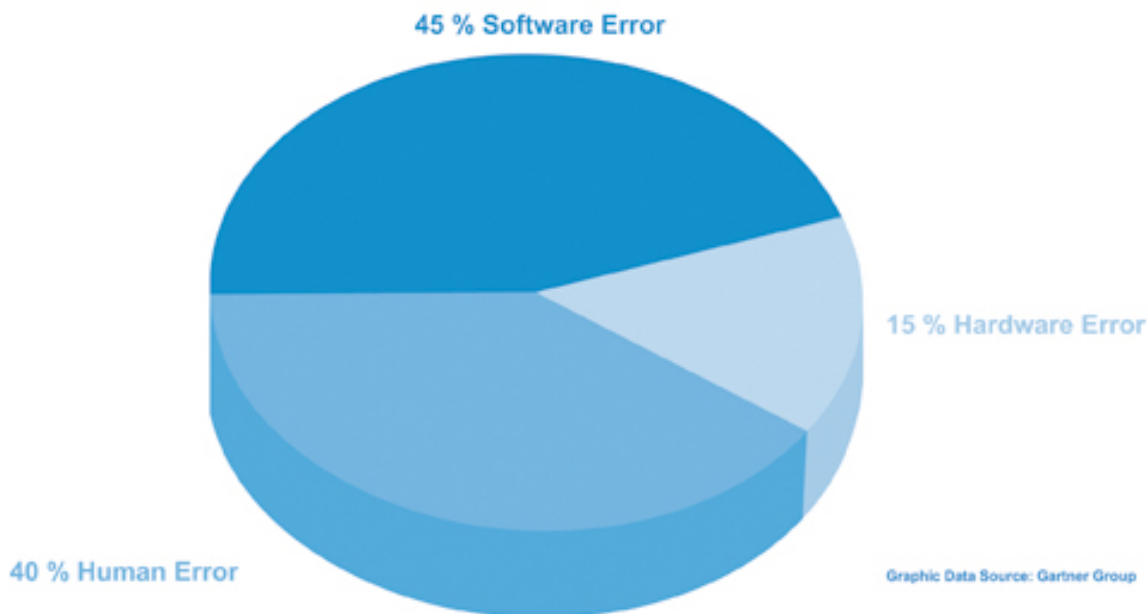


Reasons for Downtimes

Application downtimes and data loss are less than ever caused by hardware problems. More than **80% of all downtime incidents are actually caused by software or user errors** instead.

These are exactly the areas where **traditional concepts** (e.g. RAID- und Cluster) **will fail** in providing protection. Redundancy will be of no help in case of corrupt or deleted data. In this case, resuming business operation will require a manual restore from tape or disk image.

This is not only annoying, but also very time-consuming.



	Protection against consequences of...				Support for...		
	Hardware Error/ Failure	Site Error/ Failure	Software Error	User Error	Fast Switch-Over (planned or unplanned)	High Degree of Automation	Ease of Use (Setup, Operations & Maintenance)
Business Shadow®	✓	✓	✓	✓	✓	✓	✓
...	✓	✓	✓	✓	✓	✓	✓

RAID	✓	✓*	X	X	✓	✓	✓
Cluster	✓	✓*	X	X	✓	✓	X
Backup/ Recovery	✓	?	(✓)	(✓)	X	X	X
StandBy Scripts	✓	?	(✓)	(✓)	?	X	X

© 2010 by Libelle AG, Gewerbestr. 42, 70565 Stuttgart, Germany, T: +49 711 / 78335-0,
www.libelle.com