

# DR tiers

Comparison of disaster recovery (DR) tiering options for a 5 TB Microsoft Exchange 2007 environment using plans and pricing from Recovery Point Systems as an example.

<i>DR tier</i>	<i>DR method</i>	<i>Data protection method</i>	<i>Average RTO</i>	<i>Average RPO</i>	<i>Price per month</i>
<b>Tier 1</b>	Mirrored failover with history	Immediate failover to redundant production environment, including servers, and real-time and duplicated historical data	Minutes	Near zero	\$25,000
<b>Tier 1</b>	Mirrored failover without history	Immediate failover to redundant production environment, including servers and real-time data only	Minutes	Near zero	\$18,750
<b>Tier 2</b>	Hot site with real-time data replication	Real-time disk-to-disk replication with shared CPUs on standby	Four hours	Near zero	\$12,500
<b>Tier 3</b>	Warm site V1 with point-in-time disk backup	Point-in-time data backup to remote disk with shared CPUs on standby	12 hours to 24 hours	Hours	\$6,250
<b>Tier 4</b>	Warm site V2 with point-in-time tape backup	Point-in-time data backup to tape with shared CPUs on standby; tape-based recovery from physically delivered media	24 hours to 48 hours	One or more days	\$3,750
<b>Tier 5</b>	Cold site	Empty data center fully loaded with cooling, power and connectivity, ready to accept equipment	Seven days or longer	Days, depending on the backup used for the restore	\$1,250