

OneCloud Insight

Assessment & Planning Tool

Disaster recovery has been a challenge for IT organizations for decades, with much of that challenge stemming from the cost and complexity of the various solutions. Planning for a DR solution is too often a mystery, and cost equations can be especially complicated when you consider leveraging the public cloud as your DR site. With the financial and business agility potential associated with leveraging the public cloud as a DR site, together with the requirement for businesses to be better prepared for disruptions, it's become more and more a business imperative for IT organizations to deliver such a solution.

OneCloud Recovery (OCR) has been built from the ground up to automate and cost-optimize the use of Amazon Web Services (AWS), the industry-leading public cloud, as a DR site for a company's virtualized infrastructure. Even as AWS infrastructure adoption continues to grow globally at an exponential rate, most companies are only beginning to explore the public cloud's potential. Understanding the requirements and investments needed to execute on a hybrid cloud DR strategy remain unclear and complicated. To help companies address these challenges and capitalize on the public cloud potential for their business, OneCloud Software offers OneCloud Insight. A lightweight tool that deploys in just minutes, OneCloud Insight auto-discovers your virtual infrastructure environment and enables you to start modeling DR scenarios based on user-defined Recovery Point Objectives (RPOs). For each user-defined scenario, OneCloud Insight highlights the full solution costs, inclusive of OCR software as well as all AWS infrastructure expenses, in addition to bandwidth requirements needed to meet target RPOs, and much more.

Auto Discovery of Virtualized Infrastructure

OneCloud Insight installs in minutes and then performs a simple, non-intrusive discovery of your virtual infrastructure, including a read-only data collection of server names, OS, CPU, memory, and storage. This data is then displayed via the OneCloud Insight Viewer where you can begin to model DR scenarios.

Modeling DR Scenarios

Find what fits your needs and your budget. By simply pointing and clicking on which VMs you'd like to protect and at what protection level, you can easily see whether or not you have the network capacity to meet the defined scenario. You also have the option to drill down into the network details to apply more granular controls. Start small and plan for the future.

Confirmation of DR Requirements & Budget

Before you make ANY investment in your DR strategy, OneCloud Insight calculates the bandwidth required to meet target RPO/RTOs and highlights for you the underlying OCR licensing and AWS infrastructure costs. You get a complete view of the technical and financial solution requirements in less than 15 minutes.



The OCI assessment tool breaks down the total costs for each DR scenario modeled, prior to spending a single cent on software or infrastructure.

ONECLOUD INSIGHT 0.10.81

MANAGE PROJECTS Project: EAP Update Company: Momenta Scanned on: 7/28/2015 15:15:59 PM

Eligible Deltas Network Results VMware Ineligible Contact Scanner

Total Eligible VMs: 155 Total Included VMs: 120 Total VMs: 218 Total Ineligible VMs: 63

Virtual Machines RPOs

INCLUDE	RPO HOURS	CLUSTER	NAME	OS	WARNINGS	RUNNING	CORES	MEM	CAPACITY	USED	DISKS	CBT	EC2				
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.COLO	XIO-MGMT	Microsoft Windows Server 2008 (32-bit)	yes	2	40 GB	430 GB	2	no	12.small	
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPPWEB2	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	40 GB	50.0 GB	283 GB	1	no	12.small
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPPWEB1	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	40 GB	100.0 GB	231 GB	1	no	12.small
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPP-TEST	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	160 GB	85.0 GB	759 GB	3	no	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPP6	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	160 GB	90.0 GB	747 GB	3	no	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPP5	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	160 GB	90.0 GB	900 GB	3	no	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPP4	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	160 GB	90.0 GB	900 GB	3	no	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPP3	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	160 GB	90.0 GB	900 GB	3	no	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPP2	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	160 GB	90.0 GB	620 GB	3	no	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	XENAPP1	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	160 GB	90.0 GB	793 GB	3	no	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	WINVONLNU	Microsoft Windows Server 2012 (64-bit)	yes	2	40 GB	70.0 GB	700 GB	2	no	12.small
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	WING	Microsoft Windows Server 2008 (64-bit)	yes	2	40 GB	66.0 GB	660 GB	2	no	12.small
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.COLO	VIRANGERCOLO	Microsoft Windows Server 2012 (64-bit)	yes	4	40 GB	90.0 GB	900 GB	2	no	12.small
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	vRanger	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	40 GB	58.0 GB	328 GB	2	no	12.small
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	Tovelle	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	100 GB	216.0 GB	1277 GB	3	no	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	STARLINKS-ALL-PRO	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	80 GB	72.0 GB	423 GB	2	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	STARLINKS-ALL	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	80 GB	70.0 GB	322 GB	1	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	SQL-SECCONDARY	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	160 GB	90.0 GB	1534 GB	3	yes	m4.large
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	SQL-DBV	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	80 GB	370.0 GB	358 GB	3	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	Spammy	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	40 GB	30.0 GB	309 GB	1	no	12.small
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	SHILA	Microsoft Windows Server 2008 R2 (64-bit)	yes	4	40 GB	16.0 GB	423 GB	2	no	12.small
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.COLO	SDMS-WEB_Replica	Microsoft Windows Server 2008 R2 (64-bit)	no	2	80 GB	150.0 GB	483 GB	2	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	SDMS-WEB	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	80 GB	150.0 GB	548 GB	2	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	SDMS-FC3	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	80 GB	154.78 TB	152.78 TB	4	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	SDMS-FC2	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	80 GB	154.78 TB	154.78 TB	4	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	SDMS-FC1	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	80 GB	195.0 GB	1243 GB	4	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.Production.MNTA	SDMSQBTTEST	Microsoft Windows Server 2008 R2 (64-bit)	yes	2	80 GB	118.70 TB	8028 GB	6	no	12.medium
<input checked="" type="checkbox"/>	24	12	8	4	2	1	Momenta.COLO	RED_usReplica	Microsoft Windows Server 2008 (64-bit)	no	2	80 GB	116.0 GB	1160 GB	3	no	12.medium

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VIRTUAL MACHINES	ONECLOUD SOFTWARE LICENSES	ESTIMATED COSTS	NOTES
Total VMs: 218	VM Licenses Required: 120	Monthly: \$1,000.00	Annual: \$12,000.00
Protected VMs: 120	Included Storage: 46.80 TB	AWS Estimated Total Costs: \$1,000.00	Not enough network bandwidth is available to service the RSO groups.
Eligible but not protected VMs: 35	Additional Required Storage: 0 bytes	AWS Est. per VM: \$6.67	93 virtual machines have one or more disks that require full allocation.
Eligible VMs: 155	CUSTOMER PREMISE STORAGE	OneCloud List:	2 virtual machines have RDM formats that are not supported.
Ineligible VMs: 63	CPE Storage: 16.65 TB	Total:	9 virtual machines have the unsupported operating system, "Other 2.x Linux (32-bit)", installed.
Estimated CPE Compressibility: 63%	Pre-existing Database Free Space: 11.85 TB	Total per VM:	1 virtual machines have the unsupported operating system, "Linux 3.10.10 74", installed.
PROTECTED DATA TRANSFERS	SUPPORT PLAN	ONECLOUD DETAILS	4 virtual machines have the unsupported operating system, "CentOS 4/5/6 (64-bit)", installed.
Total Capacity: 20.67 TB	Standard	OCS Recovery Standard 1 Year Annual Payment 1 VM License List:	12 virtual machines have the unsupported operating system, "Microsoft Windows 7 (32-bit)", installed.
Used Capacity: 18.23 TB	Payment Terms	120 OCS Recovery VM Licenses List:	1 virtual machines have the unsupported operating system, "Other Linux (32-bit)", installed.
Estimated Compressibility: 63%	1 year term paid annually	0 bytes Additional Storage Licenses:	1 virtual machines have the unsupported operating system, "CentOS 4/5/6 (32-bit)", installed.
Initial Compressed Transfer: 11.48 TB	1 year term paid monthly	AWS REGION	23 virtual machines have the unsupported operating system, "Microsoft Windows 8 (64-bit)", installed.
Initial Transfer Hours: 207.30 hrs	3 year term paid annually	us-east-1	1 virtual machines have the unsupported operating system, "Ubuntu Linux (64-bit)", installed.
Est. Average Daily Charge Rate: 50.1%	3 year term paid monthly		1 virtual machines have the unsupported operating system, "Other 2.x Linux (64-bit)", installed.
Est. Daily Replicated Data: 933.2 GB			1 virtual machines have the unsupported operating system, "Microsoft Windows XP Professional (32-bit)", installed.
Est. Daily Replicated Data Compressed: 587.9 GB			2 virtual machines have the unsupported operating system, "FreeBSD (64-bit)", installed.
Est. Time Transferring Data each Day: -			2 virtual machines have the unsupported operating system, "Red Hat Enterprise Linux 5 (64-bit)", installed.
Last Mile Upload Speed: 100 Mbits/sec			1 virtual machines have the unsupported operating system, "Red Hat Enterprise Linux 6 (64-bit)", installed.
Upload Speed to AWS Cloud: 62 Mbits/sec			1 virtual machines have the unsupported operating system, "Other (32-bit)", installed.
User Throttling: Yes			
AWS upload impacted replication: Yes			
VIRTUAL MACHINE AWS EC2 SIZING RULES			
CHANGE AWS EC2 SIZING RULES			
Memory Rule: 50%			
CPU Rule: 30%			
Use AWS Auto-Recovery: No			
Use EBS Optimized Volumes: No			

OneCloud Insight takes the guesswork out of your DR planning. After completing your assessment, you will have the required information needed to effectively plan your DR strategy, based on the application RPO/RTO levels desired to support your business effectively, and at a cost that is 50-75% less than traditional DR solutions.

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onecloudsoftware.com/moreinfo