The Challenge

Organizations looking to migrate to the cloud face big decisions and challenges — such as which workloads they want to migrate, and what approach they should take. The biggest barrier to getting started, however, is determining which workloads are suitable for migration and understanding the Total Cost of Ownership (TCO) of migrating them to the cloud. A recent study from IDG found that the number one area where IT professionals needed help selling cloud to internal stakeholders was around TCO, which also happens to be the top investment driver for migrating to the cloud.*

How CloudHealth Can Help

Migration Assessment from CloudHealth simplifies the process of migrating assets from your data centers to Amazon Web Services (AWS). Migration Assessment enables you to efficiently assess and model workloads for migration and then manage and optimize your infrastructure for cost, usage, performance and security once you are running in the cloud. This helps reduce complexity and helps you move faster in your cloud migration process.

What is Migration Assessment?

The CloudHealth platform continuously monitors the performance and configuration of physical and virtual servers running in one or more data centers. CloudHealth then analyzes this data and provides recommendations for moving a workload or a subset of infrastructure running the workload. Recommendations are made on asset types, region, reservations, and associated projected costs.

*Factors that determine cloud migration" statistics from IDG Enterprise Cloud Computing Survey
CloudHealth migration assessment uses CPU, disk, and memory metrics of on-premises vSphere workloads and actual AWS costs to show exactly how much an on-premises workload would cost to run on AWS. The assessment can factor in use of Reserved Instances and account for different costs among Regions and Availability Zones. This allows you to accurately compare the TCO of running workloads on-premises vs. AWS and make more informed migration decisions.

### Migration Assessment: How it works

<table>
<thead>
<tr>
<th>DATA CENTER</th>
<th>SERVER</th>
<th>CPU</th>
<th>MEM (GB)</th>
<th>DISK (GB)</th>
<th>CONFIGURATION</th>
<th>INSTANCE</th>
<th>STORAGE (GB)</th>
<th>ON DEMAND</th>
<th>UPFRONT</th>
<th>MONTHLY I III</th>
</tr>
</thead>
<tbody>
<tr>
<td>ChT vSphere Boston</td>
<td>46</td>
<td>53.75</td>
<td>1027.79</td>
<td>$11,836.54</td>
<td>1061</td>
<td>$2,194.02</td>
<td>$16,497.00</td>
<td>$1,374.76</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Step 1
Agentlessly connect CloudHealth to your vCenter environment or deploy lightweight agents on assets to be migrated

#### Step 2
CloudHealth analyzes the performance and configuration of your assets

#### Step 3
CloudHealth outputs recommendations on cost, EC2 types and reservations, region, and provides an ROI analysis

### About CloudHealth by VMware

CloudHealth is the most trusted software platform for accelerating global business transformation in the cloud. More than 10,000 organizations globally rely on CloudHealth to optimize, secure, and govern over $11B in combined cloud spend. With CloudHealth, customers spend more time on innovation and improve cross-organizational collaboration. Known for offering the highest levels of data integrity and scalability throughout an organization’s entire multi-cloud journey, CloudHealth enables enterprises and service providers, such as Intuit, Dow Jones, Xero, EE, Presidio, and SHI, to deliver higher quality products and solutions faster, while keeping costs under control. The company was acquired by VMware in 2018.

For more information, visit our website [here](#) where you can book a demo or start a free trial.