



SECTION 2

# Cloud Migration Essentials

**CLOUD MIGRATION ESSENTIALS**

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## INTRODUCTION

Do you want to access “the cloud” but aren’t quite sure how to do it or what it even means? Don’t worry, we’ve got the experts to get you there. Synchroworks Consulting can guide you to the ideal platform to serve your needs and fit your budget.

There are many advantages to the cloud but it is not always easy getting there. You need to select the right cloud service provider for your needs, whether it be a small environment, specific applications, platforms such as Office365, or your enterprise systems. We have the experience to help develop the right cloud strategy for your business, performance, security and budget needs. We also have the experienced resources, tools and relationships to plan and execute your migration to the cloud, including the change management with your users, customers and partners.

In the past few years cloud adoption has increased significantly, as it provides considerable value over traditional datacenters — achieving greater scalability, cost efficiency, and improved performance. By migrating to the cloud, you can save up to 80 percent over the total cost of running a traditional solution on-premises.

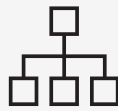
To enable successful migration, it’s important to have a strong plan in place that covers the end-cloud environment, training, and most importantly, the readiness of your workloads and applications. To do this, you need to determine how to successfully create the initial technical plans and business justification, ensure your workloads will run as expected, and perform the migration with limited impact on the business.

## SERVICES PROVIDED BY SYNCHROWORKS



### MIGRATION PLANNING AND EXECUTION

We take the time to ensure careful planning and execution for a successful migration approach. Our experience with multiple cloud service providers (Azure, AWS) makes this process seamless.



### CLOUD INFRASTRUCTURE MANAGEMENT

We manage your cloud infrastructure to achieve optimal performance and security through continuous threat management.



### PUBLIC / PRIVATE / HYBRID STRATEGY

There are many differences in performance, cost, security, and scalability. You don't want to make the wrong decision about what to leave on site and what to move to the cloud.



### OFFICE 365 MIGRATION

The benefits of Office 365 are numerous. Whether you want to move off your legacy environment, increase security, optimize operations, we can help you achieve your goals.

## WHAT IS THE CLOUD?

There are 3 different types of cloud: Public, Private and Hybrid.

**Public clouds** are owned and operated by third-party cloud service providers, which deliver their computing resources like servers and storage over the Internet. With a public cloud, all hardware, software, and other supporting infrastructure is owned and managed by the cloud provider. You access these services and manage your account using a web browser.

**Private clouds** refers to cloud computing resources used exclusively by a single business or organization. A private cloud can be physically located on the company's on-site datacenter. Many companies also pay third-party service providers to host their private cloud. A private cloud is one in which the services and infrastructure are maintained on a private network.

**Hybrid clouds** combine public + private clouds, bound together by technology that allows data and apps to be shared between the two. By allowing data to move between private and public clouds, a hybrid cloud gives your business greater flexibility, more deployment options, and helps optimize your existing infrastructure, security, and compliance.

Most cloud computing services fall into four broad categories: IaaS, PaaS, SaaS and Serverless. Knowing what they are and how they're different makes it much easier to accomplish your business goals.

“If someone asks me what cloud computing is, I try not to get bogged down with definitions. I tell them that, simply put, cloud computing is a better way to run your business.”

Marc Benioff, CEO of Salesforce.com, @Benioff

**Platform as a service (PaaS)** provides access to basic operating software and services to develop and use customer-created software applications.

Serverless computing is computing that technically still requires servers, so the name is misleading. However, it focuses on building app functionality without spending time continually managing the servers and infrastructure required to do so. The cloud provider handles the setup, capacity planning, and server management for you.



“One of our big objectives was to eliminate \$3 million in capital costs over about three years, and to reduce our operating costs by approximately the same amount. At the same time, we wanted to improve our quality of service. With Azure, we’re confident that we’ll meet those goals.”

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