



A step-by-step guide  
to taking **COBOL** apps  
into the Cloud

Deploy to virtual  
environments  
and the Cloud  
with Visual **COBOL**

# Step 1 The New Possible: **COBOL** in the Cloud



Taking your COBOL applications to the Cloud needn't be difficult or costly. COBOL's unique portability enables easy deployment to many platforms, including Cloud and virtualization environments – and all without code changes. At Micro Focus, we break down complexity so your move to the Cloud is easy and seamless.

Stepping into the Cloud should be intuitive, like putting one foot in front of the other. There are many deployment options for today's enterprise **COBOL** applications which provide you with great flexibility to align virtualization and Cloud to your desired business strategy. A move to the Cloud also won't require a **COBOL** re-write or significant architectural change, so you can focus on new innovation and optimizing IT costs.

Many organizations have already made the move to the Cloud, embracing the simple step-by-step process of moving to an on-premise or hosted Cloud environment. Major organizations such as Acciona Trasmediterranea, Wolters Kluwer and Zucchetti have already stepped into the Cloud. You can too – by developing a Cloud strategy with Micro Focus.

Step



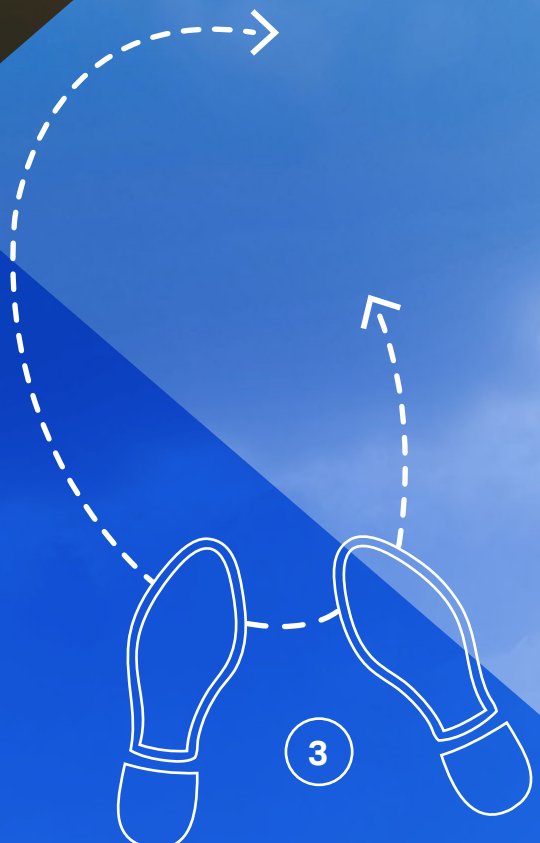
## Step 2 Know your strengths and what works for you



Your **COBOL** investments are of great value to your business. So leverage these assets to your advantage. Innovate from a position of strength by taking these applications to a virtual or Cloud environment. This is where your core business systems meet the next generation of technology.

How? With a strategy of smart application re-use which focuses on preserving what has made you successful while keeping you one step ahead of the competition. As more and more next generation business systems and applications are now leveraging the Cloud, aligning your **COBOL** business systems closer to this tech enables you to take advantage of a powerful platform for new innovation.

## Step 3 Build the Business Case



Moving to the Cloud must be underpinned by a strong business case. New market forces are placing additional pressures on the business to respond to customer needs, such as increased demand.

Is your application environment resilient enough to meet these challenges? Do you need additional capacity, scalability and/or availability to meet customer expectations? These are just a few of the drivers that will begin to move an organization closer to the Cloud.

Stepping into the Cloud allows you to confidently address these IT challenges, while building a future-proof platform for your **COBOL** systems that's ready for new innovation.

And let's not forget cost.. Moving your applications to the Cloud or a virtualized environment can deliver IT cost savings through hardware and software consolidations.



## Step 4 Virtualize with Visual **COBOL**



The inherent portability of **COBOL** enables applications to be easily deployed including Windows, UNIX, Linux on Intel, Linux on z Systems, Linux on POWER, .Net, the Java Virtual Machine and the Cloud.

Moving **COBOL** applications to the Cloud is as easy as deploying a current app to an alternative operating environment. Micro Focus Visual COBOL enables an easy option for deploying applications to alternative virtual environments—VMware, Microsoft Hyper-V or other industry-standard virtualization solutions.

Organizations embracing virtualization improve their IT flexibility, putting them in a better position to respond to business change.

Moving to a virtual the environment enables the consolidation of multiple application workloads on a single hardware stack. This offers many benefits, including improved operational efficiency, flexibility and visibility and cost reductions.

## Step 5 Host your virtualized applications off-site



Application virtualization is just the first step on the road to the Cloud. Build on that success. Your next move? Taking your **COBOL** applications to an off-site virtualization environment - 'Infrastructure-as-a-Service' - it should be an easy transition.

Major Cloud infrastructure service providers include Amazon Web Services, Microsoft Azure, Google and Oracle.

An Infrastructure-as-a-Service model transfers the hardware and software resource management responsibility to your Cloud infrastructure services provider, enabling you to focus on the business rather than managing an application infrastructure.

Hosting virtualized applications off-site delivers many benefits including simplified installation, configuration, management and licensing. Taking your COBOL applications to the Cloud through your preferred infrastructure services provider couldn't be easier thanks to Visual COBOL.

# Step 6 Start modernizing your **COBOL** applications using PaaS and SaaS



Virtualizing your **COBOL** applications using an Infrastructure-as-a-Service model provides an incremental, cost effective and risk adverse approach to future modernization.

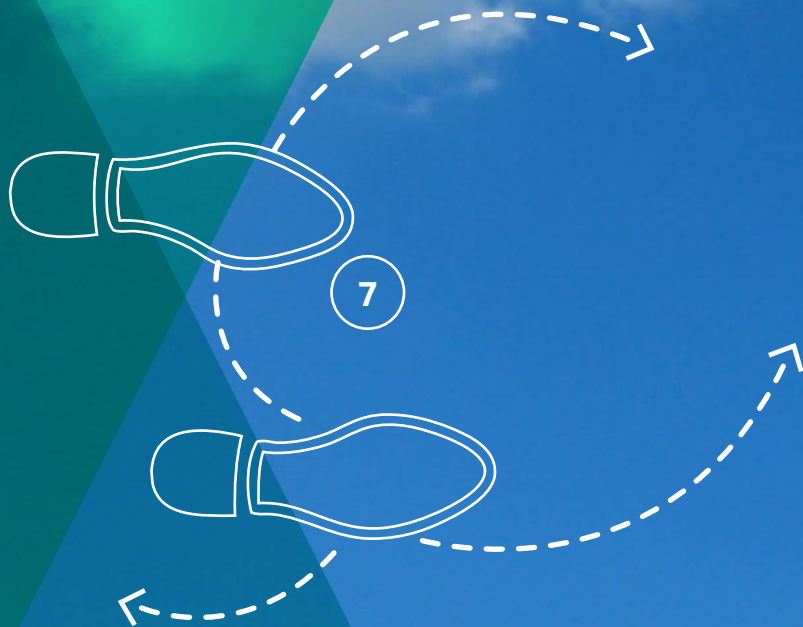
Once your applications are hosted off-site by an infrastructure services provider, you can begin your application modernization journey can begin.

Visual COBOL enables the easy adoption of Platform-as-a-Service or Software-as-a-Service Cloud architectures within Microsoft Azure or Amazon Web Services. Use these powerful application frameworks to align current COBOL applications to new, modern architectures. Experience increased availability, scalability

and improved management services. Modernizing **COBOL** applications using Cloud architectures is the key to flexibly managing application workloads and resources as user demand increases.

Choosing the right **COBOL** application underpins Cloud success. Micro Focus has the tooling and expertise to assess your application environment and build the right Cloud and modernization strategy for your business, and application profile.

## Step 7 Leverage the power of industry-standard development tools



Deployed your **COBOL** applications to a virtual or hosted environment? It is time to determine how best to support them going forward.

Developers working with Visual **COBOL** operate within a modern integrated development environment, or IDE, to maintain and modernize those business-critical **COBOL** applications. Visual Studio or Eclipse enables **COBOL** applications to be combined with C#, Java and other modern languages within the Cloud. It is where older applications meet new technologies to future-proof your business systems.

Visual **COBOL** and Visual Studio or Eclipse are the fully-integrated toolsets that deliver efficient enterprise application development. They ensure your first moves in the Cloud are giant strides rather than baby steps. Put your best foot forward when working with **COBOL** applications in the Cloud - use Visual **COBOL**.

Cloud integration with SCM systems such as Team Foundation Server provides simple and efficient application source control.



# Step into the Cloud with the Value Profile Service

For organizations with **COBOL** investments, Cloud computing offers new application services and capabilities. It is a new opportunity to meet increased user demand while balancing cost. The Cloud is a chance to innovate faster and with less risk.

Visual **COBOL** is the key to this journey. Using our solution, your organization can quickly re-use and extend the life of your **COBOL** systems, while taking a pragmatic path to the Cloud.

## Where do you start?

Schedule a Value Profile Service with Micro Focus. We will assess your **COBOL** application environment. To arrange a Value Profile Service for your organization, visit:

[microfocus.com/valueprofileservice](https://microfocus.com/valueprofileservice)