Stonebranch Cloud Automation

The easy way to automate and schedule your business processes

Jumpstart Your Cloud Automation Initiative

In the course of digital transformation, workloads are increasingly moving from traditional to cloud data centers, both in the private and public sectors. As a result, IT leaders are facing the challenge of the "hybrid enterprise", trying to automate the flow of business-critical data and tasks in a simple yet agile way, while accelerating hybrid deployments, lowering costs, and increasing business flexibility.

With Stonebranch Cloud Automation you can easily move from a complex legacy environment to a modern scheduling environment that enables end-to-end workload automation and job scheduling for all of your business processes, wherever they are deployed. With on-premise and hosted cloud deployment options, Stonebranch is the perfect fit for your cloud strategy.

Jumpstart your cloud automation initiative with out-of-the-box tested cloud installation images and configurable application integrations tailored to your unique needs. With Stonebranch's **Universal Automation Center (UAC)**, workloads are easily automated and centrally managed throughout your own IT environment and between clouds.

Your Digital Transformation Journey Starts Here

Cloud services play an important role in your strategy for transforming into a digital enterprise. It enables your IT personnel to provide the right tools for modern business needs and the flexibility to quickly respond to an ever-changing environment. Stonebranch's UAC consists of two essential components:

The **Universal Controller (UC)**, an enterprise job scheduler and workload automation broker that allows you to manage the workloads of your entire enterprise on any platform, from a web-based interface and the **Universal Agent (UA)**, the only available job scheduling agent that can be used with any marketed scheduling products, vendor scheduling solutions and even homegrown solutions. UC can be hosted either on-premise or in the cloud while managing the UA residing in both environments.

Stonebranch Cloud Automation allows you to achieve end-to-end workload automation between your internally and externally hosted resources and cloud services, closing the gap in hybrid environments. Stay on top of your automation landscape and gradually move workloads to the cloud as part of your digital transformation journey without ever missing out on the benefits of automation!

Advantages of Cloud Workload Automation

- Highly scalable, reliable and secure best practice security configurations

- Single solution for scheduling and managed file transfers

- Role-based security concept (LDAP, Active Directory, SSO)

- Increased speed and agility through integrated service application lifecycle management (ALM)

- Multiple out-of-the-box and configurable application integration options
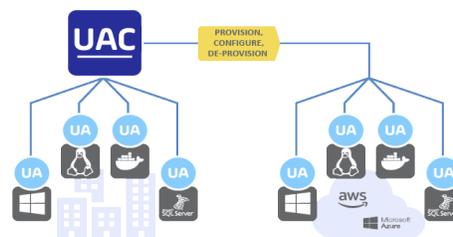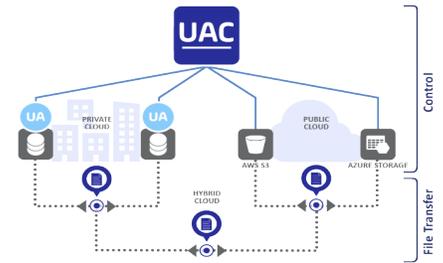
On-premise **Off-premise**

UC   UC

UA   UA

Manage-from environment

Manage-to environment
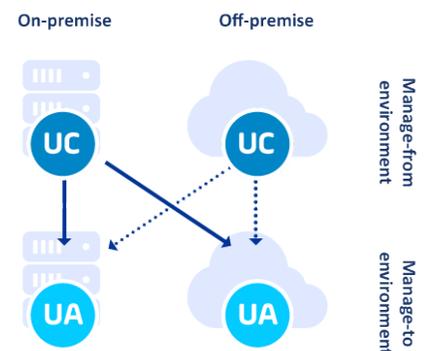
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Advantages of Cloud Automation as a Service

- **Easy to Use**
  Self-serve user interface, marketplace access for extensibility, vast documentation and community access

- **Managed Service**
  Stonebranch operates and maintains the environment so he software is always up-to-date with no business interruptions

- **Support and Services**
  24/7 Helpdesk support, community support, professional services catalogue, comprehensive transition and conversion support

- **Cost Optimization**
  Flexible licensing and subscription, setup and maintenance included, CAPEX to OPEX

- **Secure Services**
  Isolated Virtual Private Cloud environment, best practice security configuration, secured access to and from your environment, sensitive data never leaves your servers

- **High Availability**
  99.5 % service uptime guaranteed, fault-tolerant architecture, automated backups & disaster recovery, system and SLA monitoring

Typical Use Cases for Cloud Workload Automation

Hybrid Cloud File Transfer:
Let UAC centrally manage file transfers within your premises and the cloud, both private and public. Make UAC the glue between both worlds and gain total control over your hybrid cloud environment. This allows you to securely transfer files between your local file server, mainframe or SAN, and your AWS S3 or Azure Storage cloud services.
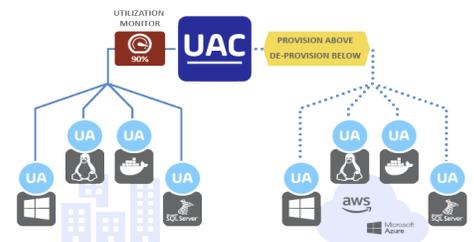
Cloud Bursting:
UAC can be configured to monitor the utilization of your private cloud and, if IT demand reaches 100 per cent or a defined threshold, automatically provision new instances in a public cloud environment and redirect overflow traffic without an interruption of services. As soon as the IT demand decreases, the additional instances are de-provisioned to reduce costs.

Cloud Infrastructure Automation/Cloud Transition :
Utilize UAC to manage resources in the AWS or Azure cloud throughout the entire lifecycle. Automate (remote) server provisioning and configuration completely agent-less (e.g. via API, Boto3 or Azure SDK for Python) and equip servers with the Universal Agent to add them to your Workload Automation landscape for enhanced automation capabilities.

Containerization/Microservices
With the rise of containerization and microservice architectures, applications are stripped down to specific functions for temporary usage. With UAC, workflows can be easily created to gather data from different sources, deploy a container with a set of microservices, execute the microservices, safely store the results, and to stop and remove the container.