ASK THE EXPERT

3 Approaches to SAS® Cloud Migration

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Senior Manager of Consulting, SAS  
Adam has more than 24 years of experience in the analytics industry and has worked with some of the largest banks in the world. His understanding of analytics capabilities, each system’s intricacies and corporate processes give him a unique perspective on how to get things done. Adam currently leads a team that enables and energizes SAS customers to achieve the best results.

Christiana Lycan  
Principal Product Manager, SAS  
Christiana has extensive experience in the software industry, partnering with customers to transform business challenges into software solutions. Her current focus is guiding SAS customers through their migration experiences.
Use Case
Competitive
Close to Three-Fourth Currently Use or Plan to Use Cloud for Analytics, BI and Data Science

Migration to Cloud
Multiple Responses

- Analytics, BI and data science: 74%
- SaaS Applications (e.g. ERP, CRM, HR): 61%
- Data Management Systems for Analytics (Data Warehouse/Mart/Lake): 59%
- In-House Built Applications: 54%
- IoT/Event Processing: 28%
- HR/Workforce Management (NonSaaS): 25%
- Mobile Application Support: 24%
- CRM (NonSaaS): 16%
- ERP (NonSaaS): 16%
- Other: 5%

n = 85 All respondents; Excluding 'Not Sure'
Q01. Which of the following use cases are in the cloud or planning to be moved to the cloud?
Source: 2020 Gartner Cloud Data & Analytics
Gartner Research Circle members (One Circle)
Options
Use Case

Best Approach?

Which cloud?

What target?

What Configuration?

What content?
Which cloud provider should I choose?
Which cloud provider should I use?

- **SAS Cloud**: Hosted Managed Service on Microsoft Azure
- **Microsoft Azure**: Public Cloud Provider
- **Amazon Web Services**: Public Cloud Provider
- **Google Cloud Platform**: Public Cloud Provider
- **RedHat OpenShift on VMWare**: Private Cloud
What do I need to define so that my new SAS environment is set up the way I want?
<table>
<thead>
<tr>
<th>ARCHITECTURE</th>
<th>STORAGE</th>
<th>SECURITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>USERS</td>
<td>DATA</td>
<td>CONTENT</td>
</tr>
</tbody>
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Which content will I take to the cloud?
Use SAS 9 Content Assessment to know what exists on SAS 9.4!
Some Time Later...
Planning for a move to the cloud ensures that the expected benefits of cloud adoption are realized.
SAS 9 or SAS Viya? Which should I choose?
1. SAS 9 then SAS Viya
2. SAS Viya
3. Hybrid SAS 9 & SAS Viya
3 Cloud Migration Scenarios

1. SAS 9 then SAS Viya
   Keeping the core of your existing environment consistent during your transition to cloud. Then moving to Viya when the time is right.

2. SAS Viya
   A clean slate. Move to the cloud with a new environment.

3. Hybrid – SAS 9 & Viya
   Move to the cloud with a measured strategy – moving project by project.
Should we move SAS 9 to the cloud?
SAS 9 then SAS Viya
Keeping the core of your existing environment consistent during your transition to cloud. Then moving to Viya when the time is right.
SAS 9 then SAS Viya
Keeping the core of your existing environment consistent during your transition to cloud. Then moving to Viya when the time is right.

The Belief
Many people believe that a lift and shift to the cloud results in cost savings and added value.

The Reality
There is little value to be gained by simply giving your SAS 9 environment a new home.
(No new capabilities, new interfaces, new data sources)

The Process
While a lift and shift is perceived as ‘easy’ the fundamentals of a migration still need to be addressed.
(Preparation, Planning, Testing...)
Should we move to SAS Viya in the cloud?
SAS Viya
A clean slate. Move to the cloud with a new environment.
SAS Viya
A clean slate. Move to the cloud with a new environment.

The Belief
Migrating in one big project will be the most efficient way to meet the goal of getting to the cloud.

The Reality
While making the leap in one step will achieve many goals, there will be a learning curve for the end users that needs to be accommodated for.

The Process
As with any migration project the key is the preparation. Ensure that your users are well prepared as well as your technology decisions.
Should we *slowly* move to SAS Viya in the cloud?
Hybrid
Move to the cloud with a measured strategy – moving project by project.

SAS 9
On premises

SAS Viya
Cloud

Export/Import
Copy & Synch

New Project
New Content
Hybrid
Move to the cloud with a measured strategy – moving project by project.

**The Belief**
Moving to the cloud in a measured fashion will make everybody happy. There’s no big rush, we can grow into the migration.

**The Reality**
This, measured, migration will take longer and will incur additional costs. In addition, not many LOBs or projects will want to be first.

**The Process**
Not all LOBs or projects can be neatly divided up for migration. Sometimes the lines are blurred, and you’ll have to migrate more that you planned at the same time.
1. SAS 9 then SAS Viya
   Keeping the core of your existing environment consistent during your transition to cloud. Then moving to Viya when the time is right.

2. SAS Viya
   A clean slate. Move to the cloud with a new environment.

3. Hybrid
   Move to the cloud with a measured strategy – moving project by project.
Decision
Q&A

Please submit your questions using the Q&A icon located in the menu at the bottom of your screen.
Explore Helpful Resources

Ask the Expert
View other user webinars that provide insights into using SAS products to make your job easier.

FREE Training
Learn from home – free for 30 days. Get software labs to practice and online support if needed.

SAS Support Communities
Ask questions, get answers and share insights with SAS users.

SAS Analytics Explorers
An exclusive platform to collaborate, learn and share your expertise. Gain access to a diverse network to advance your career. Special rewards and recognition exclusively for SAS users.

SAS Users YouTube Channel
A plethora of videos on hundreds of topics, just for SAS users.

Newsletters
Get the latest SAS news plus tips, tricks and more.

Users Groups
Meet local SAS users, network and exchange ideas – virtually.

SAS Profile
If you haven’t already done so, create your SAS Profile to access free training, SAS Support Communities, technical support, software downloads, newsletters and more.
Thank you for joining us for this SAS webinar.