

Developing an analytics strategy

The explosion of data and open source capabilities has placed enormous pressures on organisations to adopt the latest technology to remain competitive.

The complexity of identifying a strategy is centred around integration of existing critical processes within a new target architecture.

The WPS Analytics platform helps organisations address these challenges and enables a full modernisation journey.



Key considerations	Target benefits
<ol style="list-style-type: none"> 1. Cloud ready 2. Legacy programs 3. Open source integration 4. Scalable deployment 	<ol style="list-style-type: none"> 1. Productivity 2. Cost savings 3. Simplification

Cloud

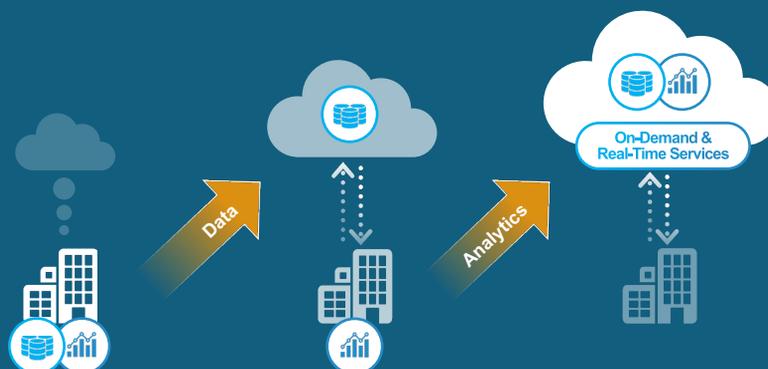
Moving to the cloud is one of the major priorities for CXOs, and from an analytics perspective, the cloud needs to facilitate:

- Scalable data access and processing
- More data products serving front office
- Access to the latest technologies

There are a few common obstacles in fully benefiting from a scalable infrastructure...

- Replicating complex ETL in the cloud
- Risk of business-critical applications failing to run or produce the same outcome
- Change management for analytics in production
- Integrating on-premise analytics with cloud analytics

WPS Analytics addresses these obstacles by providing a hybrid platform which enables organisations to migrate to the cloud in distinct phases - data, analytics, people. The ability to maintain business-critical applications on-premise while testing cloud execution is a key driver for fast adoption of a cloud infrastructure.



Open source

Adopting new data analytical technologies provides organisations with an opportunity to drive competitive advantage. Open source technologies enables this adoption because it's 'free'.

However, many organisations struggle to formulate strategies that harness the power of disparate technologies and programming languages so that they can be integrated with existing business critical applications written in the SAS language.

Our solution

With the ability to combine the languages of SAS, Python, R and SQL and with access to the latest machine and deep learning capabilities, WPS Analytics delivers the optimal analytical solution. The WPS Analytics platform has a modern GUI/IDE (the Workbench) providing both workflow and coding capabilities.

The platform enables collaboration between data engineers, statisticians and data scientists, backed up with integration with Git to provide code management and version control. WPS Analytics also has deployment services which allow developed programs to be deployed as APIs for shared, on-demand use.



Connectivity for major data sources

- ⌚ Handle expanding data volumes
- ⌚ Connectivity for big data, cloud and traditional data sources

An end-to-end platform

- ⌚ Data engineering
- ⌚ Data science
- ⌚ Predictive modelling
- ⌚ Deployment capabilities
- ⌚ Governance for development and deployment
- ⌚ Pre-canned models, tuned against customer's data

SAS language applications

Many organisations have a substantial investment in existing business-critical applications written in the language of SAS. The cost of running SAS language programs is typically something that organisations are interested in reducing, with a view to investing in other technologies. Recoding many man-years of IP into another language is technically very difficult and sometimes just not practical or even possible.

WPS Analytics can help:

- ⌚ It has its own fully-integrated SAS language compiler.
- ⌚ Existing and new SAS language programs can be run without the need to install other third-party SAS language products.
- ⌚ ROI is often less than 12 months with typical annual cost savings of between 50% to 70%.*

*Approximations based on customer feedback



Deployment capabilities

Modernisation strategies should incorporate plans that accommodate an increasing demand for deployment capabilities. Organisations traditionally push development code to DevOps or assigned analysts to re-write the code for production use. The former requires significant hiring of resources and the latter is a highly inefficient use of skill and time.

WPS Analytics makes deployment quick and simple.

Multiple options to access deployed analytics



- MS Excel
- Web browser (PC, tablet, mobile)
- Bespoke reporting portals and dashboards
- Programmable calls (C++, C#, Java, JavaScript)



Schedule execution of deployed analytics

Use scheduling capabilities to run deployed analytics at a specified time and day.



Deploy analytics for shared, on-demand use

Use quick and simple facilities to deploy analytical programs to appropriate internal business users or external customers. Deployment services include Git integration, user management, data access governance and dataset library publishing.



Simple, point-and-click RESTful API creation

Create RESTful APIs to prompt users for inputs such as dates, numeric values, string values and so on, to use when executing the deployed analytics.

Migration

World Programming has migrated hundreds of customers onto the WPS Analytics platform. Organisations are able to gain insight to potential ROI within the early phases of a migration.

Combining migration facilities with industry expertise, organisations can typically complete migration projects within three months, and for larger multi-national sites, within six months.



WPS Analytics benefits summary



Collaborative platform

- Development + deployment + governance
- One platform for developers and business users of data analytics



Governing your analytics

- Central management of developers and business users
- Data access credentials management
- Git integration with development and deployment



Perfect blend of SAS language and open source

- Maintain the use of business critical applications whilst modernising your infrastructure
- Protect your investment in existing SAS language programs
- Reduce the cost of running SAS language programs
- Mix the languages of SAS, Python, R and SQL in a single program or workflow



Off the shelf and flexible, tailored solutions

- Enable analytics on-demand via APIs
- Approach – Impact assessment with code analysis tool, PoC, pilot, scale
- Proven deployment track record



Analytics anywhere

- Mainframe
- In-cloud
- On-premise
- Mobile / tablet (via WPS Hub)

