



Deepteam

G-Cloud

Cloud Software

Deepteam Limited (G-Cloud 14)

ABOUT US

Deepteam Ltd has been founded to bring the right experts together to deliver exceptional services to both the public and the private sector.

G-Cloud Service Categories

- Strategy Consulting
- Project and Portfolio Management
- PMO Services
- Business Analytics
- System Implementation
- Business Integrated Governance

Deepteam Ltd also provides specialist software services to enable Data Integration and relationship management complimentary to the service set we offer:

G-Cloud Cloud Software Categories

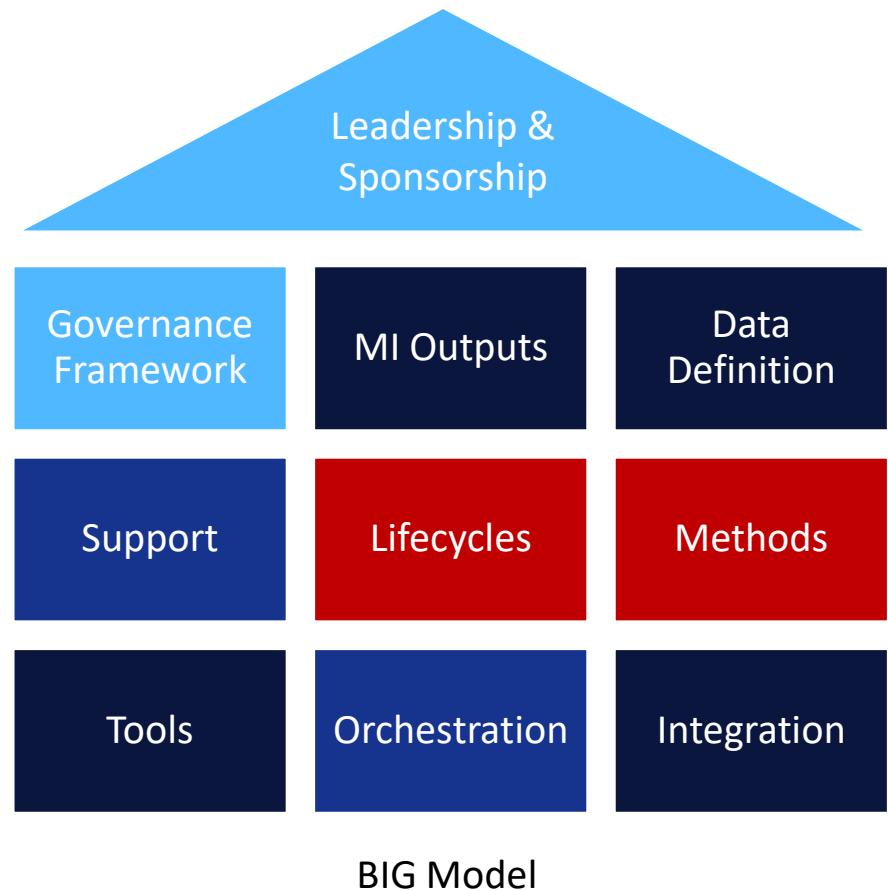
- BIAdvantage Data Integration
- Meeting Quality





G-Cloud Cloud Software Service Offerings – BIAdvantage

POSITIONING BUSINESS INTEGRATED GOVERNANCE (BIG)

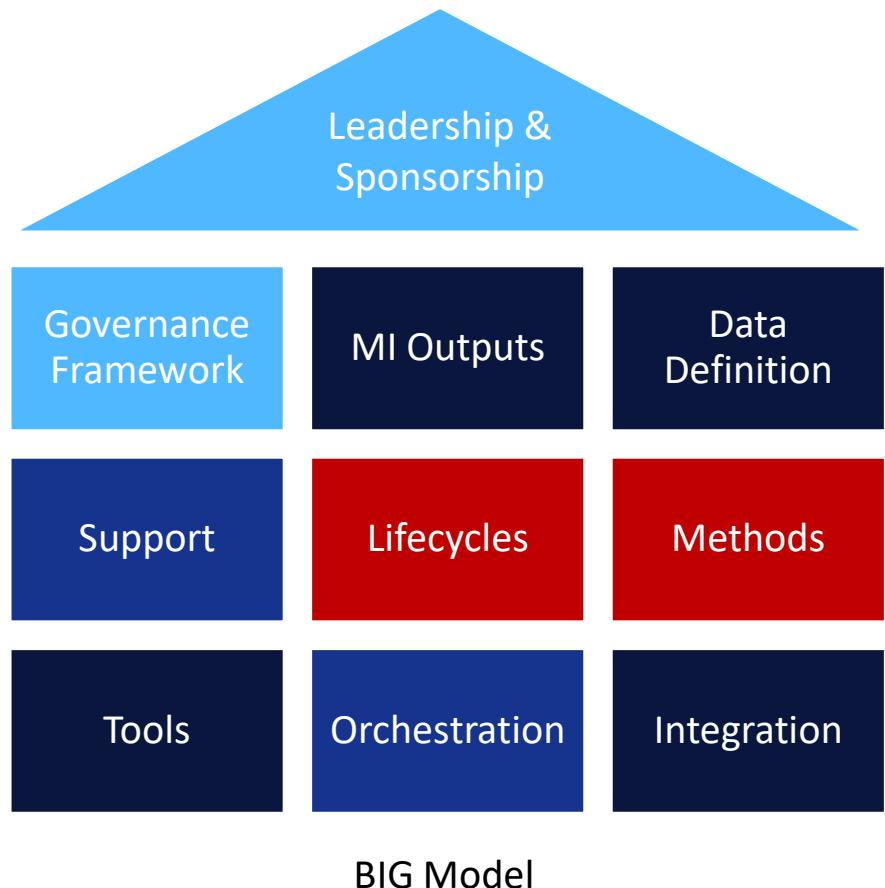


There are many key components of an effective portfolio, programme and project management ecosystem that integrates effectively within a business (to Main Board, Finance, Management Teams Business Support and Assurance).

It is important to use the right tools, and to productionise data integration so that a common data definition can make preparation of Management Information (for Governance) simpler and more reliable.

BIAdvantage provides configurable data integration capability and a starter solution data model to enable fast setup, with simpler implementation and sustainment.

MORE ON THE BIG MODEL?



The BIG Model was developed by a group of 100+ contributors with a huge range of expertise, working voluntarily, delivering to the public domain.

The Club, with over 580 members, is here:
<https://www.linkedin.com/groups/13651399/>

The Club now a Community Interest Company , and more on Business Integrated Governance are shared here:
<https://big-cic.org.uk>

The BIG Model has been adapted for inclusion into Praxis:
https://www.praxisframework.org/en/integrate_d-governance/big-intro

(This is an international, free P3M framework from portfolio to project.)

Outline Service

Provide a configurable data integration service using the QuantumPM BIAdvantage Toolset with Microsoft Cloud Solutions as the backbone.



Features

- Technical Readiness, Set up Support, Training, Consulting
- Provide a usable data model to enable management information tools
- Configure how mass data are mapped to usable information sources
- Provides a method for combining data from multiple entities/sources
- Provide a clear map for integrated data sources
- Enables data from spreadsheets to be linked to structured systems
- Configure data transformations and mappings
- Minimise custom integrations and need for development support

Benefits

- Enables deployment and extension of BIAdvantage
- Usable, fast-changing data models for staff, management and leadership teams
- Clear mapping of data integration, no mystery data sources
- Avoid manually stitching data sources together
- Avoid hard to maintain, point to point custom data integrations
- Increase speed of production, quality and reliability of management information
- Remove reliance on single point of failure, expensive operation systems
- Enable the right tool for each application, combine data needed
- Manage data integration rather than cope with it

**Managing
the Cloud**

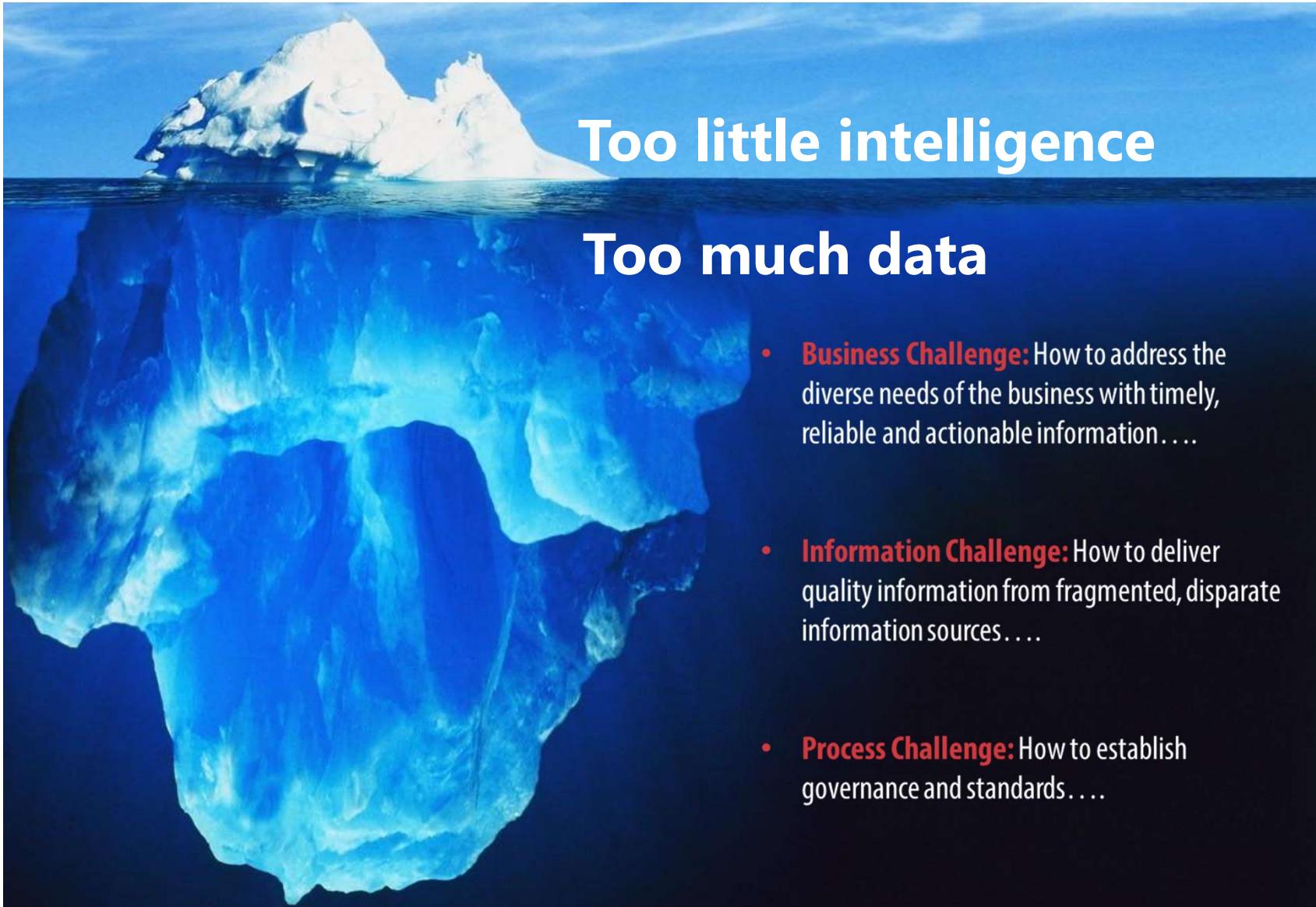


Enabling Digital Transformation with PPM

**Managing Programs,
Outcomes and
Deliverables**

Microsoft

QuantumPM



Too little intelligence

Too much data

- **Business Challenge:** How to address the diverse needs of the business with timely, reliable and actionable information . . .
- **Information Challenge:** How to deliver quality information from fragmented, disparate information sources . . .
- **Process Challenge:** How to establish governance and standards . . .



Typical Organizational Interconnections

Data Transformation depends on Excel

What is **BIAdvantage™** ?

A Business Integration Solution
to drive
Digital Transformation

Technology to simplify the way we get work done, not make it more
complicated.

Cloud Based Integration Hub



- BIAdvantage™ (BIA) is a cloud solution that provides tactical business intelligence, business-rule driven data management and information delivery capabilities.
- It provides snapshot and trend analysis, enterprise reporting and will seamlessly connect all your applications and data sources.
- BIAdvantage is powered by Microsoft's Azure and enables Power BI or other reporting to provide the security, scalability, maintenance and performance of Microsoft.

- Benefits of BIAdvantage™ :
 - Business rule-based integration of cloud and on-premise systems and apps
 - Simplified process automation based on your business rules, workflows and operational needs
 - Automatic bi-directional syncing
 - Scalable to bring on new processes, functions and capabilities over time
 - Enterprise reporting against aggregated and/or manipulated data
 - Supports trend analysis with snapshots
 - Accurate and speedy configuration
 - Microsoft Azure based with Microsoft security

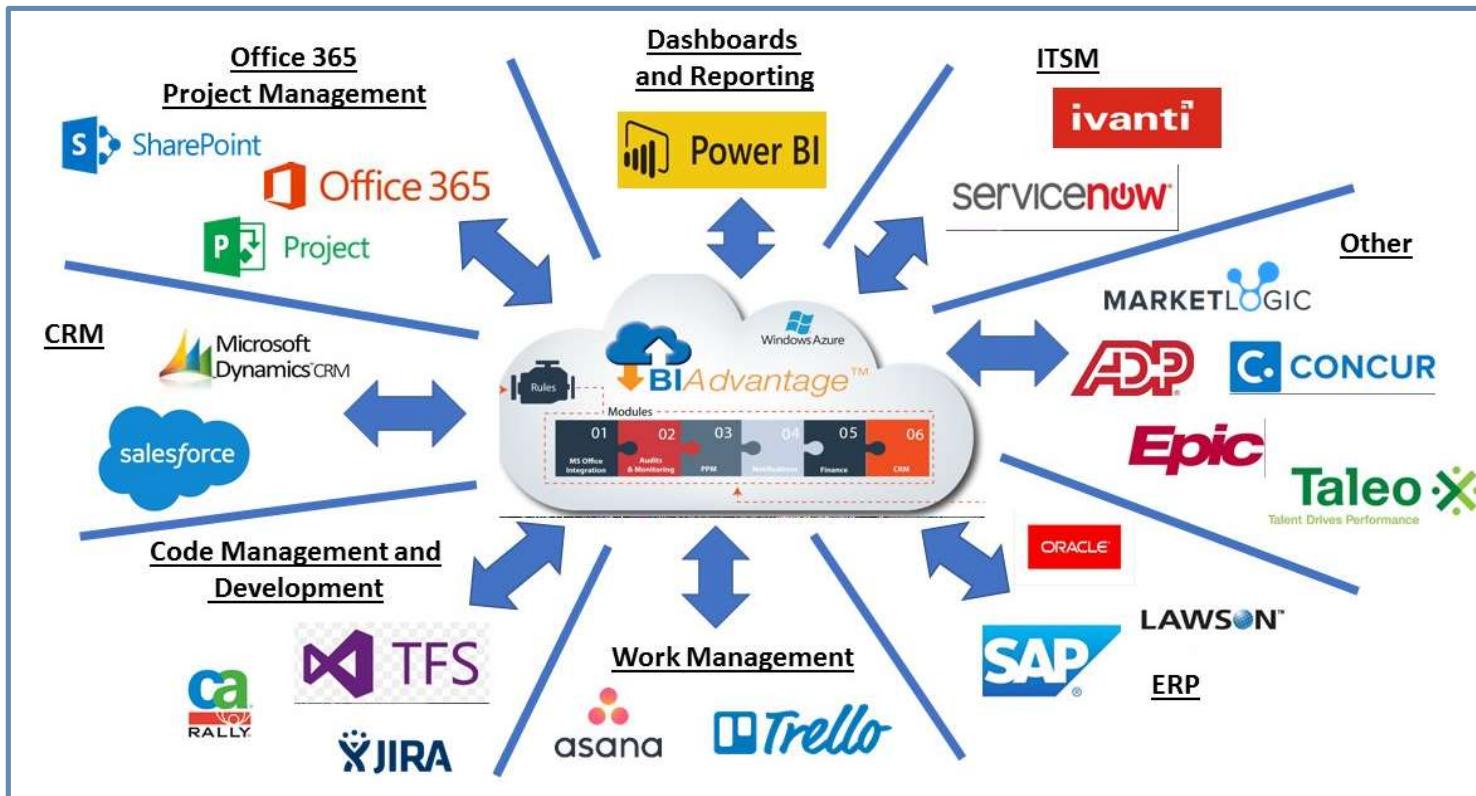


Connect to any business system



THE SOLUTION:

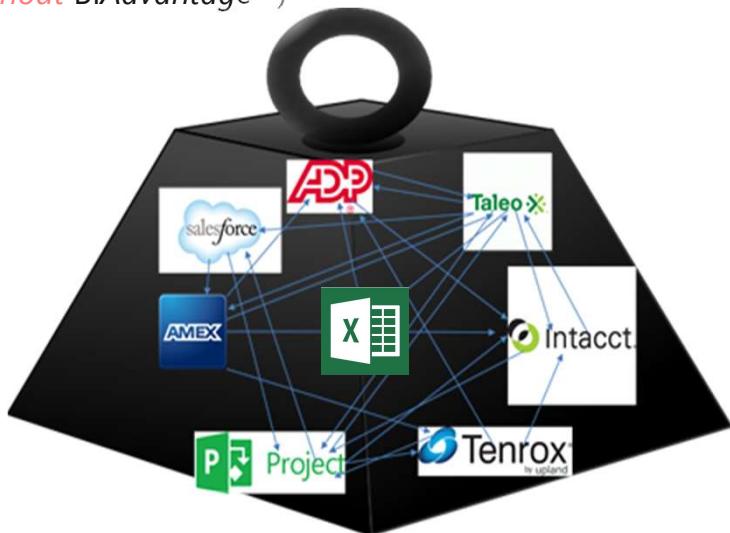
Replace Excel with a leading-edge solution for today's complex data transformation problems.



Cloud Integration with BIAdvantage™

Typical Point to Point Interconnections

(*without* BIAdvantage™)

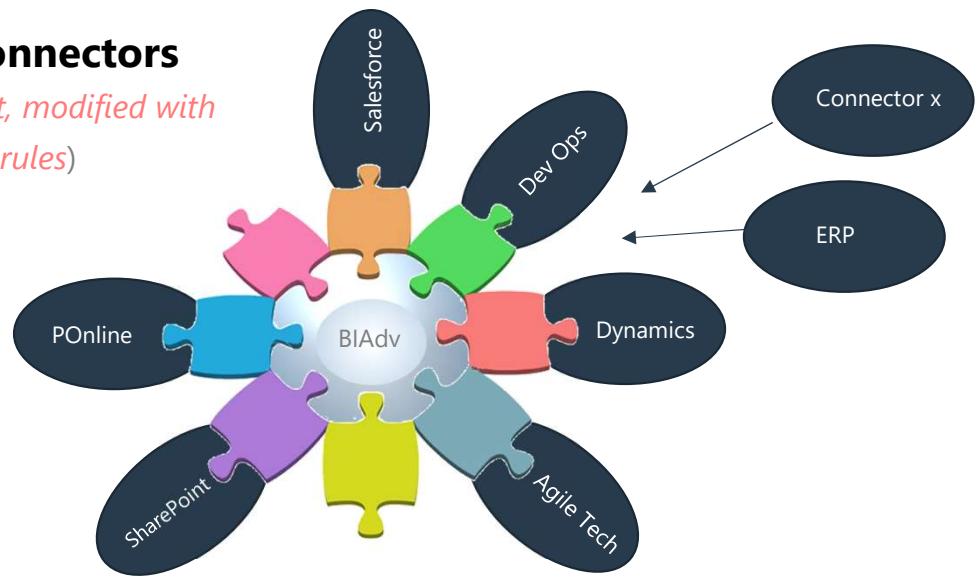


Disadvantages

- Each integration is between only two different systems
- Ties you to individual Apps (replacing an app requires redoing interfaces)
- Difficult to implement future expansion and process improvement

BIA Connectors

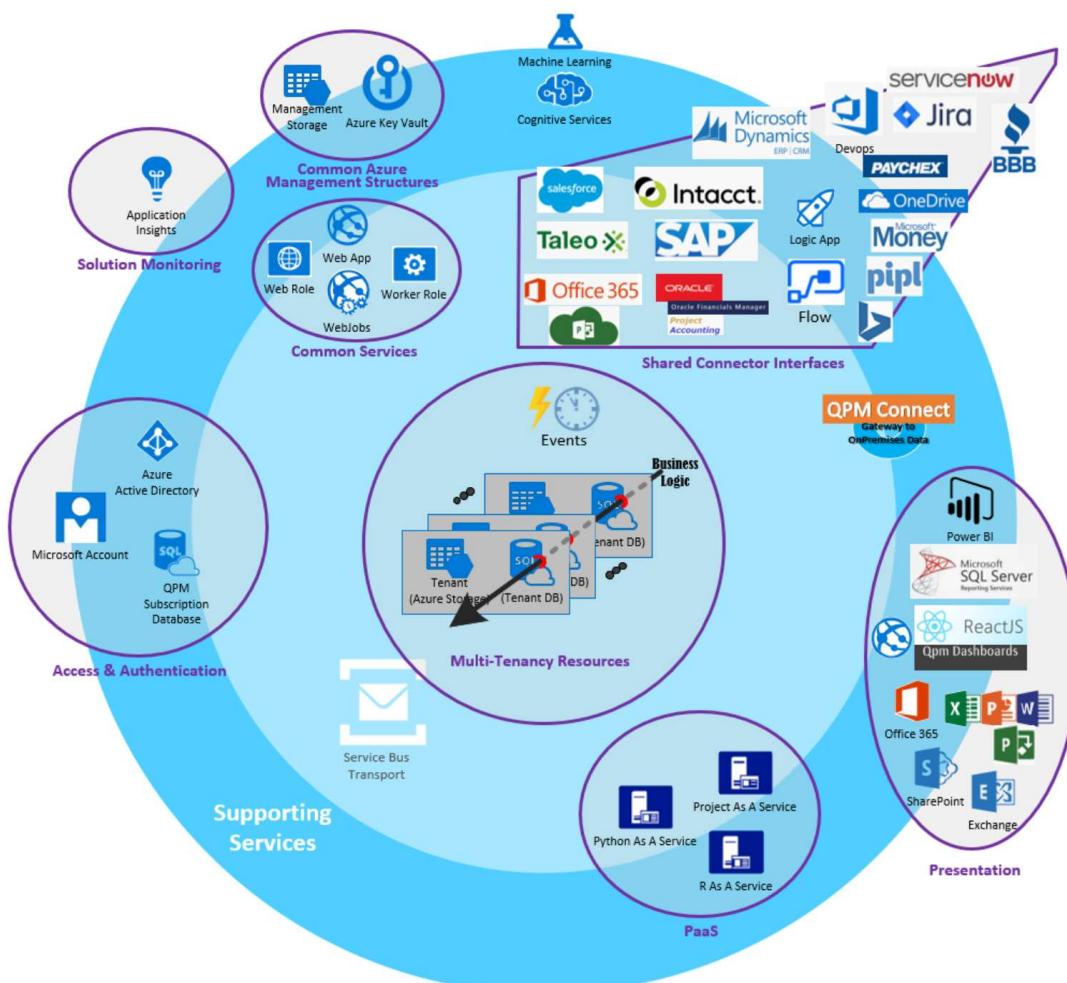
(*prebuilt, modified with business rules*)



Benefits

- Reduced Number of integration points - Each integration has only one new API
- Easy Reconciliation
- Simple/inexpensive BI warehouse (pull only what you need in original formats)
- Faster, more consistent management of data that spans diverse systems.
- Bi-directional data flow between multiple connected systems for simplified processes
- Containment of impact of application changes across all systems

BIAdvantage™ Architecture



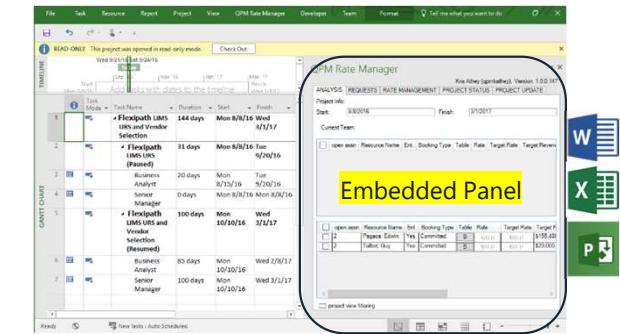
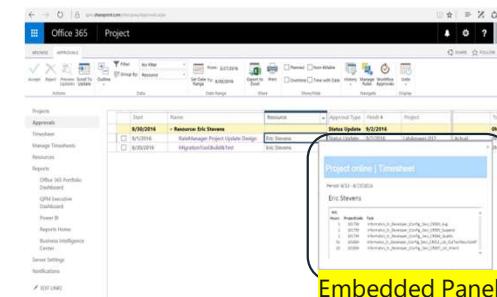
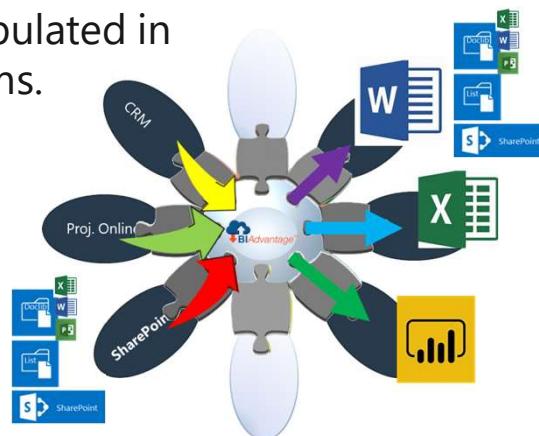
THE ARCHITECTURE:

- ❑ Azure-based
- ❑ SAAS and PAAS
- ❑ Common Data Services
- ❑ Event/Business Rules Control
- ❑ Secure Access and Authentication
- ❑ Shared Connector Interfaces
- ❑ Multiple Presentation Options

Enter data once, use everywhere



Data entered in any connected source can be auto-populated in other systems.



Embedded Panels (In Web Pages or Apps) for collection/exposure and *Management*

SAP's OpenUI5/Fiori components
For professional look/feel

QuantumPM

Extensive Logging

Every End Point can act as:

- Source
- Presentation Point

Passive and Active Process Enforcement



BIAdvantage has **Passive** and **Active** approaches to help compliance with a process.

Example of Passive/Active: Scenario = saving to a folder

Passive: Monitor folders, send email notifications to specific users when they place a document in an incorrect folder. Send reminder emails regularly until resolved. Escalate to supervisor (via email or report) if persists beyond a threshold.

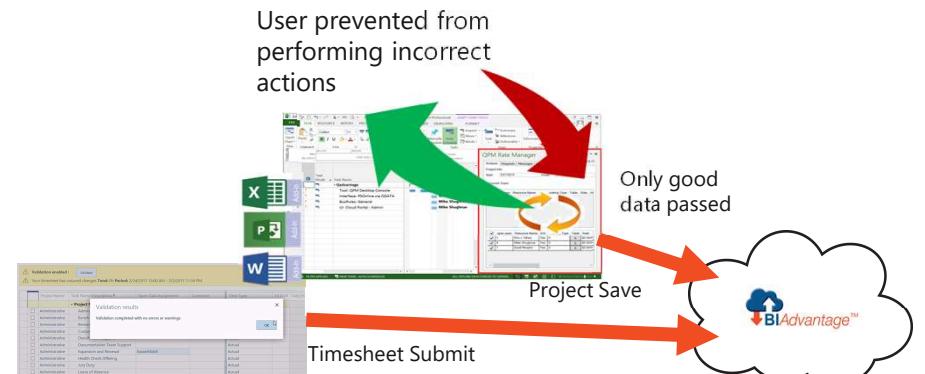
Active: Use an Embedded Add-on to a highly used core application (i.e., Timesheet Web Page, MSProject, Word, Excel, etc.)

Options:

- Detect & prohibit the save action
(*a dialog is displayed with reason and where the correct location is*)
Evolving to...
- Use of Add-in to auto-select the correct location
(*user clicks save and document is stored in appropriate folder*)



Passive: notify the user via email or report after they have taken an action



Active: Check and Prevent user from committing out of compliance actions

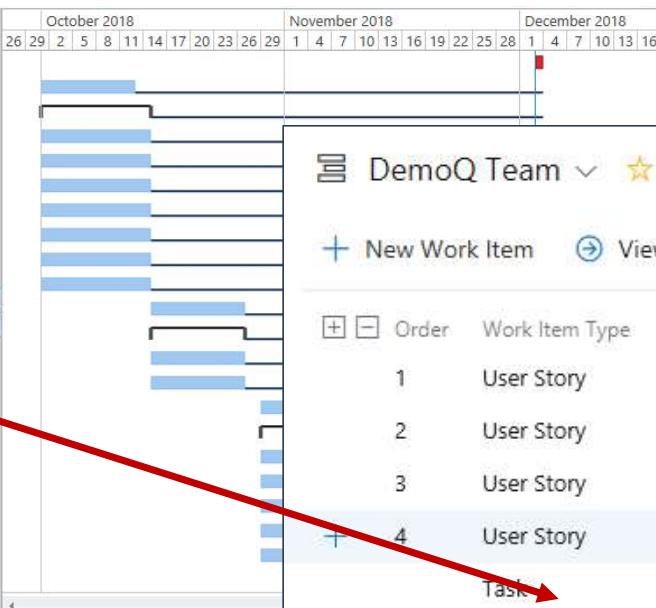
Use Case Scenarios



Project and Software Development Operations



	ID ↑	Mode	Task Name	Duration	Start	Finish
2			Backlog Summary	1d	12/3/2018	12/3/2018
3			Sprint 1	10d	10/1/2018	10/12/2018
4			Sprint 1 Summary	10d	10/1/2018	10/14/2018
5			ktask sub sprint 1 user story	10d	10/1/2018	10/14/2018
6			TM - Presentation 1010	10d	10/1/2018	10/14/2018
7			TM - consolidate document	10d	10/1/2018	10/14/2018
8			TM - breakout Presentation sections	10d	10/1/2018	10/14/2018
9			socialize this story plan	10d	10/1/2018	10/14/2018
10			Define Sprint 1 overall Story	10d	10/1/2018	10/14/2018
11			TM - Presentation Task	10d	10/1/2018	10/14/2018
12			Sprint 2	10d	10/15/2018	10/26/2018
13			Sprint 2 Summary	10d	10/15/2018	10/26/2018
14			do one thing	10d	10/15/2018	10/26/2018
15			Define Sprint 2 overall Story	10d	10/15/2018	10/26/2018
16			Sprint 3	10d	10/29/2018	11/9/2018
17			Sprint 3 Summary	26d	10/29/2018	12/3/2018
18			find this	10d	10/29/2018	11/9/2018
19			do another	10d	10/29/2018	11/9/2018
20			reconcile prior sprint status	10d	10/29/2018	11/9/2018
21			Wrap up Sprint 3	10d	10/29/2018	11/9/2018
22			Define Sprint 3 overall story	10d	10/29/2018	11/9/2018
23			RB task for MS Event	1d	12/3/2018	12/3/2018



Project Online and Azure DevOps Integration

DemoQ Team star grid

[New Work Item](#) [View as board](#) [...](#)

Order	Work Item Type	Title
1	User Story	TM - Presentation
2	User Story	Sprint 1 User Story
3	User Story	Sprint 2 User Story
4	User Story	Sprint 3 User Story
	Task	Define Sprint 3 overall story
	Task	Wrap up Sprint 3
	Task	reconcile prior sprint status
	Task	do one thing
	Task	do another
	Task	find this
	Task	RB task for MS Event

Integration between two systems:

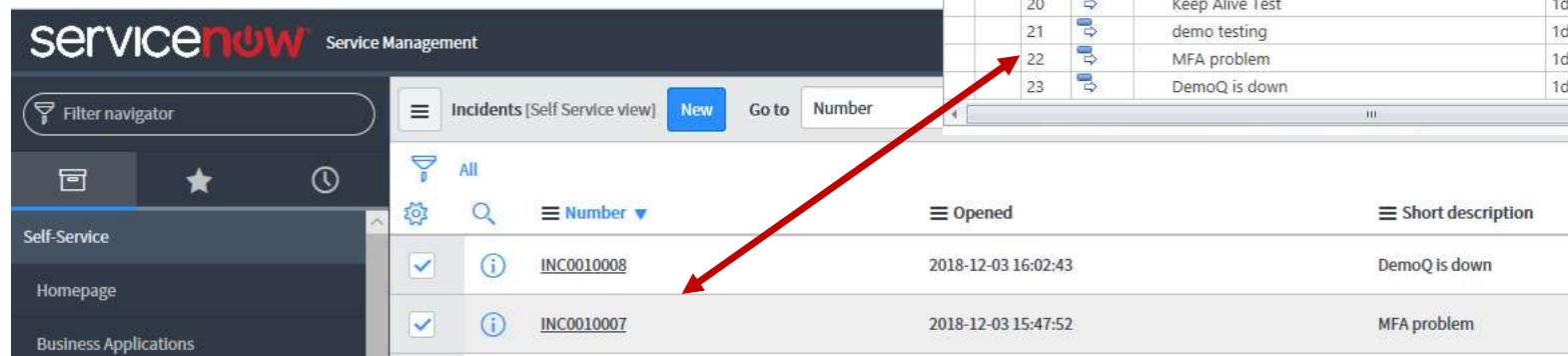
- ✓ Data flows back and forth between both systems
- ✓ Eliminates the need to report the data in multiple systems

Service Ticket Management



Project Online and ServiceNow Integration

- ✓ Pull service metrics and integrate that data into your time reporting systems.
- ✓ Use integrated data for reports

A screenshot of the ServiceNow Service Management interface. The top navigation bar shows "service now" and "Service Management". The main area is titled "Incidents [Self Service view]" with buttons for "New", "Go to", and "Number". A red arrow points from the list of incidents down to the detail view of ticket "INC0010008".

Number	Opened	Short description
INC0010008	2018-12-03 16:02:43	DemoQ is down
INC0010007	2018-12-03 15:47:52	MFA problem

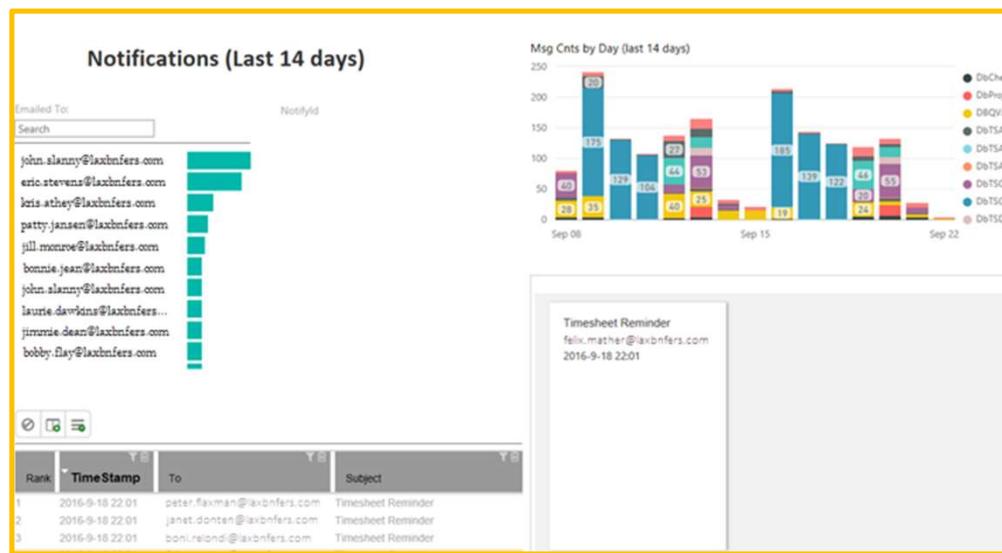
A screenshot of the Project Online interface. On the left is a table of tasks with columns: ID, Mode, Task Name, Duration, Start, and Finish. On the right is a Gantt chart for the months of July, August, September, October, and November 2018. A red arrow points from the table to the Gantt chart.

ID	Mode	Task Name	Duration	Start	Finish
2	🕒	Brett Test Task 2	44d	8/1/2018	10/1/2018
3	🕒	my description text	1d	9/25/2018	9/25/2018
4	🕒	New Incident Test - Brett	1d	9/25/2018	9/25/2018
5	🕒	New Task Test 2 - Brett	1d	9/25/2018	9/25/2018
6	🕒	New Task Name - Brett Test 3	1d	9/25/2018	9/25/2018
7	🕒	Test Brett 4	1d	9/25/2018	9/25/2018
8	🕒	Test 7 - BHS	1d	9/27/2018	9/27/2018
9	🕒	TM test	8d	9/24/2018	10/3/2018
10	🕒	BHS Test 1	1d	10/9/2018	10/9/2018
11	🕒	TM Incident 2	1d	12/3/2018	12/3/2018
12	🕒	TM Incident 3	1d	10/9/2018	10/9/2018
13	🕒	Short Description	1d	11/5/2018	11/5/2018
14	🕒	TM Incident 4	1d	11/12/2018	11/12/2018
15	🕒	Test Name - Brett	1d	11/9/2018	11/11/2018
16	🕒	Problems with QC check 102	1d	11/13/2018	11/13/2018
17	🕒	something something	1d	11/13/2018	11/13/2018
18	🕒	test 3	1d	11/26/2018	11/26/2018
19	🕒	Test 1	1d	11/26/2018	11/26/2018
20	🕒	Keep Alive Test	1d	11/27/2018	11/27/2018
21	🕒	demo testing	1d	11/29/2018	11/29/2018
22	🕒	MFA problem	1d	11/30/2018	12/2/2018
23	🕒	DemoQ is down	1d	12/3/2018	12/3/2018

Automated Notification Services



- ✓ Simplify Time Management
- ✓ Process automation and adoption
- ✓ Business-rule driven notifications
- ✓ Track process compliance through reports and dashboards



Your rules. Your results.

QuantumPM

Reports and dashboards



- ✓ Removes data silos providing a single source of truth
- ✓ Information stays in source of record but is combined in BIA for reports and dashboards
- ✓ Reports are generated based on your business rules
- ✓ Export data to any reporting tool (such as Power BI) for clear and concise reports

TAG	duration	Schema	Source	CompletionStatus	RootValues
ProjectPullTimer	0:0:36	dbo	OData	done	ProjectId=(0000CF75-FB12-4FFC-A4
ReportingResourceChanged	0:0:1	dbo	OData	done	ResourceId=(08399C83-AFDB-E411
TimesheetLinePullTimer	0:0:1	dbo	OData	done	TimesheetLineId=(5470B9D8-B252
ProjectPullTimer	0:0:34	dbo	OData	done	ProjectId=(0000CF75-FB12-4FFC-A4
CSOMCommands_CheckedOutProjects	0:0:0	dbo	CSOMCommandsImport	done	none = table replace (QIN_Checked
readReport_LA_Intacct_Customer_List	0:0:0	dbo	QPM.Intacct.Connector.Commands.Job	done	none = table replace (JCTIN_ict_rpt,
readReport_Emp_Cost_Rate_for_QPM	0:0:0	dbo	QPM.Intacct.Connector.Commands.Job	done	none = table replace (JCTIN_ict_rpt,_Emp Cost Rate for QPM,)
execereport_Salesforce_Users	0:0:0	dbo	ExecuteReportCommand	done	none = table replace (JCTIN_sfc_rpt,_Salesforce Users,)
execereport_Project_Export_Rpt	0:0:0	dbo	ExecuteReportCommand	done	none = table replace (JCTIN_sfc_rpt,_Project Export Rpt,)
execereport_Opportunity_Export_Rpt	0:0:0	dbo	ExecuteReportCommand	done	none = table replace (JCTIN_sfc_rpt,_Opportunity Export Rpt,)
TimesheetLinePullTimer	0:0:0	dbo	OData	done	TimesheetLineId=(2B08AE8E-1814-4034-82F2-8992314260E3,803497B0-4028-DFC5-862
execereport_All_Accounts_with_Number	0:0:1	dbo	ExecuteReportCommand	done	none = table replace (JCTIN_sfc_rpt,_All Accounts with Number,)
ReportingResourceChanged	0:0:1	dbo	OData	done	ResourceId=(FC5F6C37-DF43-E611-80EC-00155D643801)
ReportingResourceChanged	0:0:0	dbo	OData	done	ResourceId=(FC5F6C37-DF43-E611-80EC-00155D643801)
TimesheetLinePullTimer	0:0:0	dbo	OData	done	TimesheetLineId=(2B08AE8E-1814-4034-82F2-8992314260E3)
ReportingResourceChanged	0:0:1	dbo	OData	done	ResourceId=(27399C83-AFDB-E411-80C8-00155DA47E18)
ReportingResourceChanged	0:0:3	dbo	OData	done	ResourceId=(27399C83-AFDB-E411-80C8-00155DA47E18)
CSOMCommands_CheckedOutProjects	0:0:0	dbo	CSOMCommandsImport	done	none = table replace (QIN_CheckedOutProjects,Q)
readReport_LA_Intacct_Customer_List	0:0:0	dbo	QPM.Intacct.Connector.Commands.Job	done	none = table replace (JCTIN_ict_rpt,_LA Intacct Customer List,)
readReport_Emp_Cost_Rate_for_QPM	0:0:0	dbo	QPM.Intacct.Connector.Commands.Job	done	none = table replace (JCTIN_ict_rpt,_Emp Cost Rate for QPM,)
execereport_Opportunity_Export_Rpt	0:0:0	dbo	ExecuteReportCommand	done	none = table replace (JCTIN_sfc_rpt,_Opportunity Export Rpt,)
execereport_Project_Export_Rpt	0:0:1	dbo	ExecuteReportCommand	done	none = table replace (JCTIN_sfc_rpt,_Project Export Rpt,)
execereport_Salesforce_Users	0:0:0	dbo	ExecuteReportCommand	done	none = table replace (JCTIN_sfc_rpt,_Salesforce Users,)

Drill In: Admin Dashboard

The dashboard displays the following sections:

- Recent Activity:** Shows a list of recent events, including TimesheetLinePullTimer, ProjectPullTimer, and various Sync and Import operations.
- IO Files:** Shows a table of IO files with columns: ProcName, Status, BatchTime, Recs, Message, SysMessage, DataFile, Duration, and StartTime. An example entry is AD Import, Done with Warning, on Jun 15 2017 at 7:21PM, with 4637 records.
- Operations:** Shows a list of operations categorized by IO Type (Sync Information, Batch Output, Errors / Warnings). Examples include Sync Information for ProjectPullTimer and Batch Output for ProjectPullTimer.
- Batch Times:** Shows a table of batch times with columns: RateTables, Rows, RateTable Truth, and RateTable Truth records.
- Batch Records Grid:** Shows a table of batch records with columns: ResourceId, ResourceName, NTAccount, RES_AVAIL_FROM, RES_AVAIL_TO, and RES_AVAIL_UNITS. The table lists various resources and their availability times.

See.
Understand.
Act.

Simplify the Way you Work

QuantumPM

QuantumPM's focus is to help organizations drive digital transformation using Microsoft solutions such as Office 365 and Azure. We have 20 years of hands-on expertise in software implementation and system integration using Microsoft technologies (Azure, Project Server and Project Online, O365, SharePoint, and Dynamics CRM). We know technology. We know PPM. We know how to integrate platforms. And we can make it all work for you.



Gold Cloud Productivity
Gold Project and Portfolio Management
Gold Application Development:
Silver Collaboration and Content



M P you G



- ✓ ***Triple Gold Microsoft Partner for 20 years***
- ✓ **Project Portfolio Management and SharePoint Expertise**
- ✓ **System Integration through BIAdvantage, our Microsoft's Enterprise Cloud Alliance platform**
- ✓ **International outlook and experience with global projects**
- ✓ **Respected in the industry and trusted by our customers**
- ✓ **Integration Provider to Microsoft PPM Partners**

Service Features:

- Accounting and finance
 - Portfolio analysis
 - Analytics and business intelligence
- Analytics
 - Business intelligence
 - Data mining, analysis tools and analytics
 - Data visualisation
 - Reporting and dashboards
 - Collaborative working
- Content storage and sharing
 - Project collaboration
 - Electronic document and records management (EDRM)
- Electronic data interchange (EDI)
 - Human resources and employee management
- Performance management
 - Workforce analytics
 - Information and communications technology (ICT)
- Teams Integration



- API connectors and interface engines
 - Electronic data interchange (EDI)
 - Machine learning and artificial intelligence
 - Performance management
 - Operations management
- Business performance management
 - Business process management (BPM)
 - Business transformation and organisational change management
 - Governance, risk management and compliance (GRC)
 - Project management and planning
- Project management
 - Project portfolio management (PPM)

Adoption Services BIAdvantage

Deepteam offers multiple cloud support services through which this technology can be adopted and sustained.

The following page covers Getting Started and Technical Support Services being resold by Deepteam.

Getting Started

BIAdvantage is a Cloud-Service that provides multi-source data integration for management and reporting via the Business Integrated Governance (BIG) Model.

Provisioning an Instance is fast but planning for the connectivity/access to other systems is a matter of communication and understanding of the business goal and of the security needs to support that goal. This is part of the consulting services Deepteam Offers in G-Cloud.



Configuring integration and aggregation business logic, automated document generation, automated quality checks and email notifications is a process best managed with vision/capability planning sessions that can then be prioritized and implemented. This is part of the consulting services Deepteam Offers or can be achieved by client resources that have appropriate capability through training.

Deepteam clarifies/streamlines this process by using a predefined Decision/Reporting Model that can be adapted to suit each customer scenario. The model used is called the BIG Model (Business integrated Governance). Deepteam Offers consulting services to adapt the BIG Model.

Part of the BIG solution is a Data Integration Hub, and Deepteam offers a pre-setup from the BIG Model. This can be provided via provision and configuration of BIAdvantage and is a matter of establishing connections to various sources and mapping/merging the data from these incoming sources into the BIG Data Model.

BIAdvantage can of course be provided as a stand-alone solution, not just as part of a BIG Model.

Technical Considerations

BIAdvantage configuration requires credentials for various applications and data sources. Security of data and access is a primary concern.

INSTANCE provisioning and initial configuration - Provisioning an Instance is done in a matter of hours. However, provisioning BIAdvantage requires the sharing of credentials to enable access between the systems being integrated.

- To ensure that security needs are met, we begin by scheduling an information sharing meeting with the following Key Individuals:
 - IT/Security
 - PPM Tool Administrator(s)
 - Office365/SharePoint Administrator
 - Business Sponsor
- We will work with the designated corporate IT representatives to establish safe access that conforms to corporate security policies.



Technical Considerations

The following will be information elicited from these meetings:

Encryption

- All information is encrypted in transit.
- Database level encryption is optional (there is a small performance impact)

Connection Configuration:

- PONLINE Access:
 - PWA URL
 - PONLINE Credentials
 - Use of Multi-Factor Authentication on these accounts (via IP restriction) is supported
- SharePoint Access (if different than PWA Credentials)
 - SharePoint base URL
 - SharePoint Credentials (if different)
 - Multi-Factor Authentication (via IP restriction) is available

Database instance Login (Report Authors, External Report Engine Access)

- We will provide Accounts in BIAdvantage for Database access.
- We will need information on two groups: Report Authors and Report Services.
- Report Authors
 - Account credentials provided by QuantumPM
 - External IP Range [Corporate Access]
 - Or, for more protection, Client can establish a Virtual Machine
 - for report authors to log into and use this single IP to lockdown access.
 - (this allows traveling authors to VPN into client's corporate network, login to the VPN and connect to DB)



Technical Considerations

The following will be information elicited from these meetings:

- Report Services
 - Account credentials provided by QuantumPM
 - External IP Range of Client's Report Authors are needed.
 - Identify Clients Corporate egress IP block
 - Note: For more flexible and better controlled access, establish a Virtual Machine for traveling users (and optionally internal users) to log into before accessing any database.
 - External IP Range of Client's Report Services are needed.
 - Dashboard Access
 - Users of Dashboards hosted by QuantumPM for BIAdvantage platform management will need to be identified so their Client AD credentials can be registered for access. This can also be managed through a group.

Please note this information is provided for indicative purposes. The actual needs will be determined by the client situation.



Technical Support Services

Deepteam offers multiple cloud support services through which this technology can be adopted and sustained.

Technical Support:

QuantumPM Technical Support is dedicated to providing quality service in a timely and efficient manner. The purpose of these support services is to provide ongoing remote support to assist clients with issues and problems that arise during the ordinary course of managing a PPM deployment. Our support department operates remotely (off your premises).

Assistance is provided for QPM products and services including QPM custom solutions. Support services are available for both cloud hosted and on-premise environments. Assistance can be provided to help with operational and technical problems as they arise when using the Microsoft® Project Portfolio Management (PPM) Solution (Microsoft Project Server, Microsoft Project Online, and Microsoft SharePoint).

Support activities generally include:

- Documentation of each support request.
- Clarification and/or investigation of root cause for each request.
- Documentation of issue resolution and/or status.
- Email and/or telephone response for each issue.

Support is offered on a per incident basis. A reasonable effort will be made to resolve all issues to the customer's satisfaction. A separate incident will be used for every support request. Multiple issues cannot be combined under one incident. If it is determined the issue is related to a bug in a QPM licensed product or custom developed application, the incident will be refunded.



Support Service Packages

Deepteam offers multiple cloud support services through which this technology can be adopted and sustained.

QPM provides the following support packages. All plans are prepaid with a term of one year. All packages will expire at the end of 12 months and cannot be carried forward.



Option 1: Q-Lite Support: Technical support package that includes up to 12 Incidents and up to 12 Inquiries

Cost: £TBA

One-time set-up fee (new customers only): £1,500

Additional Pack or Contract Renewal: £TBA

Option 2: Q-Standard Support: Technical support package that includes up to 24 Incidents and up to 24 Inquiries

Cost: £TBA

One-time set-up fee (new customers only): £1,500

Additional Pack or Contract Renewal: £TBA

Option 3: Q-Custom Support: Flexible, customized support that offers proactive planning for full application administration, system administration, account management and technical support. Includes unlimited Incidents and Inquiries. 24x7 / 365 coverage. Services included:

Additional scheduled remote PPM and Technical configuration reviews.

Analysis will be documented and provided to client.

Monitoring and analysis of logs and server performance. Note: Requires remote access to client servers.

Priority service and access to QPM Support Knowledge Base

Additional customized services as required.

Cost: Please Request a quote

BIADVANTAGE ELEMENTS

- This list represents an existing list
- Further connectors can be provided at a cost TBD

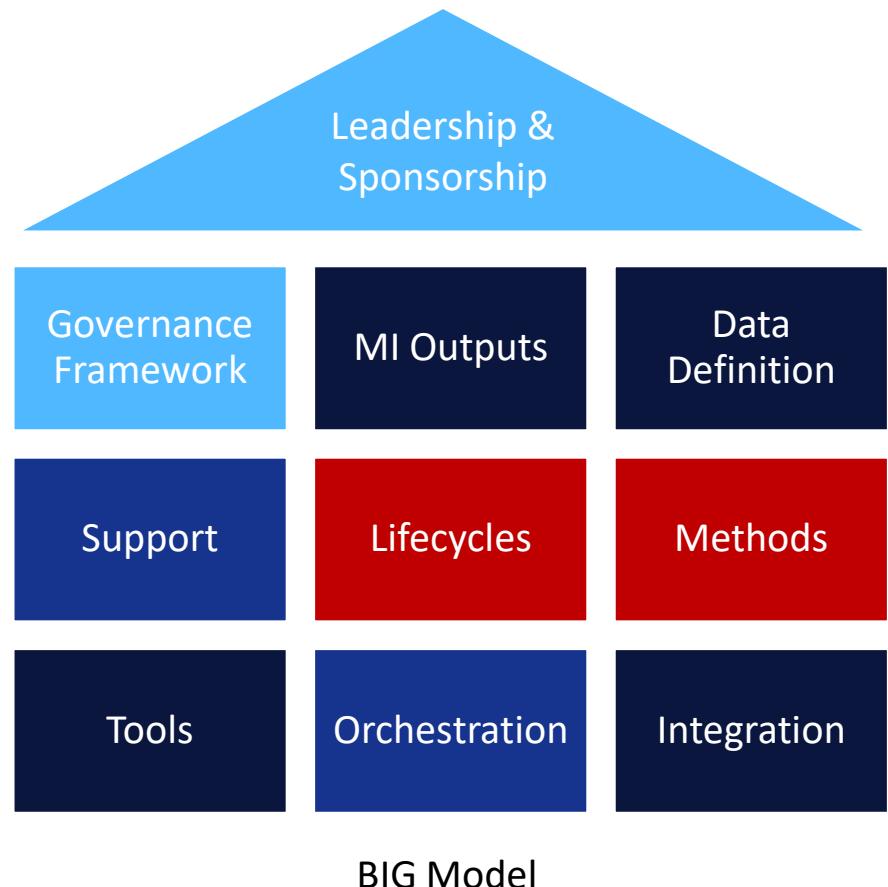
BIAdvantage™ Subscription Modules	
Platform	Description
BIAdvantage™ (1)	Base Service needed to connect and operate BIAdvantage™ Connectors. Includes Microsoft Azure™ computing, platform and services, data storage, data transfer to/from customer's cloud and/or on-premise applications and/or desktop computers, administration console application.
Modules	Description
PPM	Provides Project Portfolio Management data management for business process automation and integration with data from other systems (Finance, CRM, etc.). Scheduled and/or business rules trigger electronic notifications (e.g., email, SMS) to specific audiences (e.g., roles) to support compliance, incentives, and/or operational business processes such as Management/Monitoring.
Financials	Interacts with Financial and Project Accounting data to integrate with PPM data for data-driven decisions and analytics, workflow and business process automation.
CRM	Turns sales opportunities into projects automatically via workflow and business rules.
IT Service Request or Agile Connector	Automates integration of key data such as time spent on service requests or software sprints into your PPM solution. Business rules will trigger and coordinate various events and updates.
ERP/HR	Business process automation for oversight of HR data with other line-of-business systems. Eliminates errors and improves timeliness of updates for personnel within all systems securely and without human intervention.
Backup / Disaster Recovery	Provides custom backup services for project schedules (up to 500) that are created by Project Managers. The purpose of these services is to recover previous schedules if something has occurred to corrupt a schedule and prevent lost data. Note: Project schedule backups are separate from Office365 and SharePoint backups that the Client may currently have installed.
Office 365 Application Connectors (basic) (2)	Bi-directional integration with Office 365 application data and other systems or modules. Data can be pulled from one format and integrated into another format as required.
Audits and Monitoring	Maintenance and support of customized business rules, validation controls and reports developed for the integration of data between one or more source application systems or stand-alone data files and one or more target applications or stand-alone delivery files.
Operational Data Store / Dashboards & Reporting	Coordinates data integration from BIAdvantage™ data store (e.g., PPM, Financials) into an Operational Data Store for reporting and corporate warehouse management.
Custom Modules	Connection and business process automation from line of business systems through codified connectors that streamline the flow of data
Total Base Service + Module Fees	
Add-On Services	Description
Project Guard on the Desktop	Guards reports and integrations with outside systems to ensure tasks and projects remain valid as projects change.
Custom Services	Additional services can be built as required.

Notes:

(1) Base service fee includes initial instance built on Microsoft's Azure technology, up to 250 GB of storage, up to 500 users, and system maintenance.

(2) Moderate or Advanced Connectors are an additional cost, depending on users and complexity of the solution.

RELATED SERVICE ELEMENTS

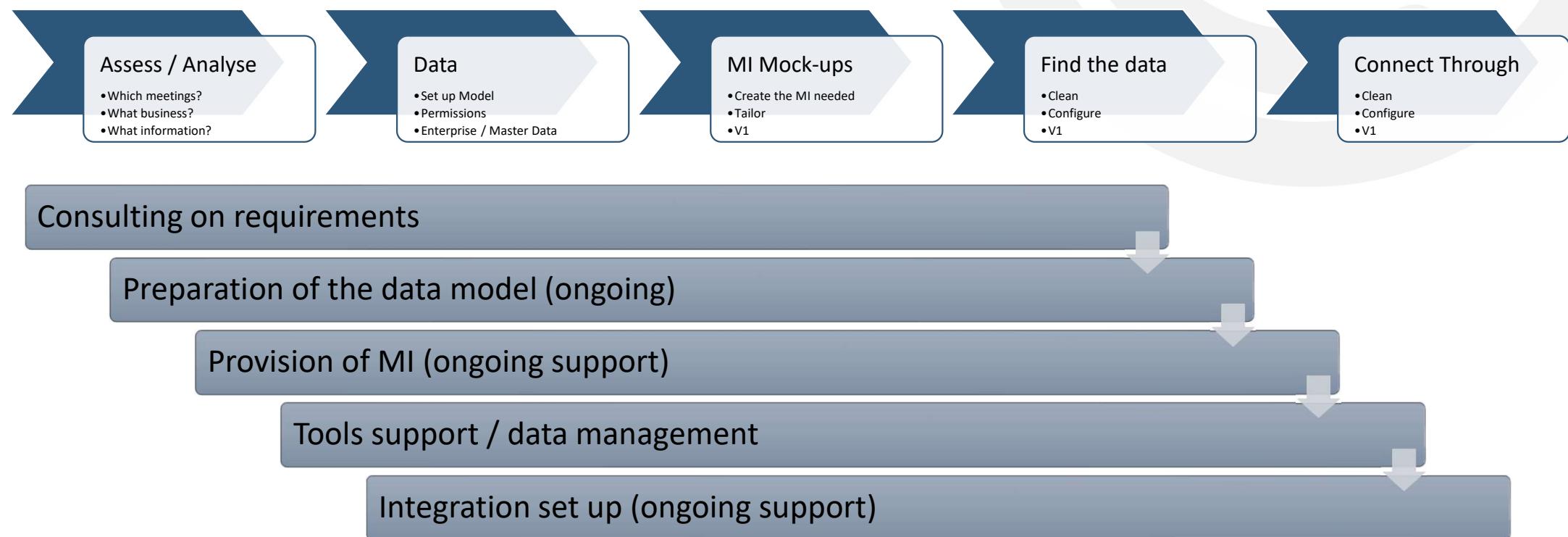


There are many key components of an effective portfolio, programme and project management ecosystem.

BIAdvantage provides configurable data integration capability and a starter solution data model to enable fast setup, with simpler implementation and sustainment. Tool related services are available.

However, BIAdvantage is one component of a Business Integrated Governance Solution, and wider services to support the BIG Model are available from business analysis to governance / process design, support design and technology services (solution architecture, data design, analytics, MI and collaboration tool support – e.g. Teams, Power BI, Power Platform, Project for the Web, Jira, Primavera.)

TYPICAL LIFECYCLE EXAMPLE (TECHNICAL)



FIRST STEPS?

- Scope / extent – 5 days
 - Define the IT Package and Transformation elements
- Package 1 – completely dependent on Scope
 - Requirements – 5 days...
 - Data Model – 5 days...
 - MI Prep – 5 days...
 - Data Sources – 5 days...(depends on the number and complexity of data sources and user groups – may be multiples of 5 days)
 - Integration – 5 days...
 - Adoption and support – 10 days
- (Package 1 would require a ***minimum*** of 3-10 days of pure Product Consulting – level TBD)

20-40 days (3 months elapsed) – but this can be fast-tracked – it depends!



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