

Custom SharePoint Features for Risk Management Firm

Data Migration, Data Processing & Workflow Development

Who is the client?

The client is a business, engineering and management resource team providing a complete offering of risk planning and assessment services. They perform Risk, Threat, and Vulnerability Assessments for major private companies, utilities, states, countries and city governments.

What was the client trying to achieve?

The Client was looking for a reliable service provider to understand, design and implement new features for their existing SharePoint sites. The requirements included migrating XML data stored inside SharePoint InfoPath forms to SharePoint lists, developing workflows, and moving and processing the data to a list.



Fetches data from a
SharePoint list and moves
to a SQL server

What services did Data-Core provide? What challenges were overcome?

Data-Core provided many services for the Client. They integrated third party controls to SharePoint and wrote ETLs to fetch data from a SharePoint list and move it to a SQL server. The SQL server data was ultimately processed to use as a source for Power BI reports.

Throughout the development of different components, there were many challenges faced during this service-based project.

Here are a few of the challenges Data-Core was able to overcome...

- Learned and understood the domain by studying columns and data thoroughly from all tables
- Studied the existing relationship to create a new relationship based model
- Based on the requirement of the client, created new tables in Power BI environment and complex DAX queries

Data-Core was able to maintain the production environment to support the future enhancements and change requests. The following enhancements were developed and tested in the Test environment and then deployed to Production.

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What stand-out points are there from these services?

Data-Core enabled the client to achieve their goal of launching their project with a very systematic, scalable and easy to maintain process which is outlined below:

- Created SharePoint Web Parts
- Created SharePoint workflows
- Created complex data modelling
- Created ETL JOBS for all data migration
- Sliding Filter Pane
- Multi page report with navigation
- Created Job Scheduler for automatic data refresh

Seq	ESRM-RI	Level	Score	ScoreMet/Mod/Std	ScoreMet/Mod/Dec	Opportunities	MM-Cat	Display	Weight	Facility	Assessment	Campus	ScoreMet/Mod/Coorium	Maturity Mode	ScoreCoorK
1.10	There is an internal awareness program for the security department, including marketing and communication initiatives	3	2	Repeatable	Governance for the Indicator Exists		1 - ESRM	Yes		Station	Station	Campus 2	255,255.0	Station	255,0.0
1.11	Executive and Department Heads are aware of the security department and its function.	3	3	Managed	The Indicator is Managed, Measured, and Continuous Improvement is Taking Place		1 - ESRM	Yes		Station	Station	Campus 2	0,125,218	Station	255,255.0
1.12	Executive and Department Heads bring their issues to the security department and	4	3	Optimized and Aligned	There is alignment of the Security Function with other Enterprise Disciplines		1 - ESRM	Yes		Station	Station	Campus 2	0,176.80	Station	154,87,205

JQuery client web parts mark each cell for goal & score with predefined color

In Summary...

The implementation of the custom SharePoint features was a success and Data-Core is currently developing new SharePoint sites for the client.

Processed data was used for Power BI reports



Discover the Data-Core Advantage.
Learn how we can help your company be more relevant, effective and efficient.



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