



# Hackathon

## We Can Help You Grow Your Team of Experts

With Pragmatic Works' Hackathon you can gain deeper insights from your data and use it to meet your specific information needs, leading to better more informed decisions. Our goal is to help sharpen minds and make professional and corporate advancements tangible. We can help you channel innovation into a focused effort and turn your existing team into experts fully capable of both implementing and maintain your solution.

With our expertise we can help you take what you learn and apply it to your own data with confidence. Empower your team to achieve more in a short and manageable timeframe by taking the topics learned during class and applying them to your own data to increase your team's proficiency.



### Benefits

- Empower your team to take charge of your environment
- Get in-depth training with minimal time and financial investment
- Choose the focus on the specific technology based on your company's needs
- Conclude with documentation of your team and recommendations for team members



### FAQs

#### 1. How can we ensure the success of a Hackathon?

The success of any Hackathon days during this engagement are heavily dependent on the preparation of the Customer. Any requirements, data access, and queries to source systems should be prepared prior to the start of the engagement. Any technical requirements for development work should be intentionally planned small to give the best opportunity to complete during the engagement.

#### 2. Will the end solution be production ready?

Any example solutions developed during the Hackathon should not be considered a proof of concept, nor be considered "production ready" at the end of the engagement.

#### 3. How many people can we have in the Hackathon?

There is a limit of 10 attendees per session to ensure each participant is able to fully reach their potential and receive in-depth training.

#### 4. What types of technologies would be ideal for a Hackathon?

Power Apps, Power BI, Azure Data Services, SQL Server, SSRS, SSIS, SSAS, and Power Automate

#### 5. How long is a Hackathon?

1 to 10 days depending on the scope



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# SQL Server Hackathon

SQL stands for Structured Query Language, a computer language designed to handle data in a relational database management system (RDBMS). SQL Server is a software and RDBMS developed by Microsoft. It is designed to create and maintain databases, manage and store information, and support business intelligence and analytics operations. SQL Server increases the speed of processing data and with information stored in the database, it provides businesses with a reliable backup system.



## Benefits of a SQL Server Hackathon:

- With minimal investment, you can teach your team what SQL Server is used for and how to leverage this innovative technology
- Empower your team with the tools to handle, store and use data more efficiently
- Learn about the various SQL Server editions to decide which offers the features and benefits that best fit your needs

# SSRS Hackathon

SQL Server Reporting Service (SSRS) is a set of on-premises tools and services used to create, deploy, and manage paginated and mobile reports. Users can consume reports via email, web browser or mobile device. You can also use SSRS APIs to extend or integrate data and report processing in custom applications.



## Benefits of a SSRS Hackathon:

- Enable your team to create, deploy and manage mobile and paginated reports using SSRS with minimal training investment.
- Learn how to leverage SSRS for a wide variety of reporting needs for your business.
- Empower your team with all that SSRS can do with its enterprise-level features, including the ability to connect to a wide variety of data sources.



# SSIS Hackathon

SQL Server Integration Service (SSIS) is a component of SQL Server that is used to execute a wide range of data tasks. This data warehousing tool is used for data ETL (extract, load and transform) like cleaning, aggregating, and merging data. It can extract data from a wide variety of sources, like SQL Server databases and Excel files, and makes it easy to move data from one database to another.



## Benefits of a SSIS Hackathon:

- Teach your team to leverage the features of SSIS quickly and with minimal investment
- Learn about SSIS ETL best practices and how to create SSIS projects with an SSIS work environment
- Empower your team by taking the topics learned in class and applying them to your own data

# SSAS Hackathon

SQL Server Analysis Services (SSAS) is an analytics layer that comes in two forms: Multidimensional OLAP Cubes and Tabular Models. SSAS can be installed as an on-premises or VM server instance and used to create enterprise grade business intelligence solutions for your organization.



## Benefits of a SSAS Hackathon:

- Teach your team to leverage the features of SSAS quickly and with minimal investment
- Learn how to create OLAP Cubes or Tabular Models which provide rapid analysis of data
- Enable your team to use SSAS to provide analytics data for business reports and client apps with Power BI, Excel, SSRS, and other data visualization tools