

# Advanced Applications of Power Automate

- Overview..... 1
  - What You Will Learn..... 1
  
- Retrieving Information..... 2
  - Get Items and Get Files..... 2
  - OData (Open Data Protocol) Filter Query Example..... 2
  
- The Compose Action ..... 4
  - OData Query Syntax..... 5
  - Summary of oData Filter Query Operators and Options with Get items..... 7
  - Other Options for Get Items ..... 7
  - Writing a Flow for Bulk Updates..... 8
  
- Exercise 1 ..... 10
  
- Formatting Date/Time ..... 11
  - Bulk Updating with Functions Using the Expression Builder..... 12
  - The Replace Function ..... 12
  
- Checking for Missing (Null) Information..... 17
  - Length Function ..... 18
  - Using Append to String Variable to Gather Information..... 20
  
- Exercise 2..... 22
  
- Putting it All Together: A Comprehensive Approval..... 23
  - Creating a Document Library in SharePoint with Metadata..... 23
  - Creating an Instant Cloud Flow Triggered Manually ..... 24
  - Triggering the Flow ..... 31
  
- Error Trapping the Flow ..... 33
  
- Exercise 3..... 35
  
- Get Files..... 36
  - Add Files from a Spreadsheet..... 39
  - Using a Variable for a Counter ..... 42
  
- Try Catch Can Construction ..... 43
  
- Appendix A: Solutions to Exercises ..... 45