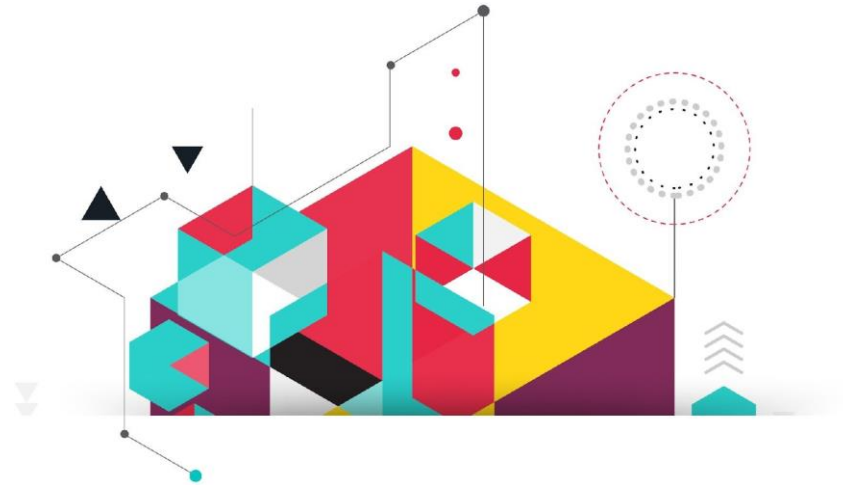


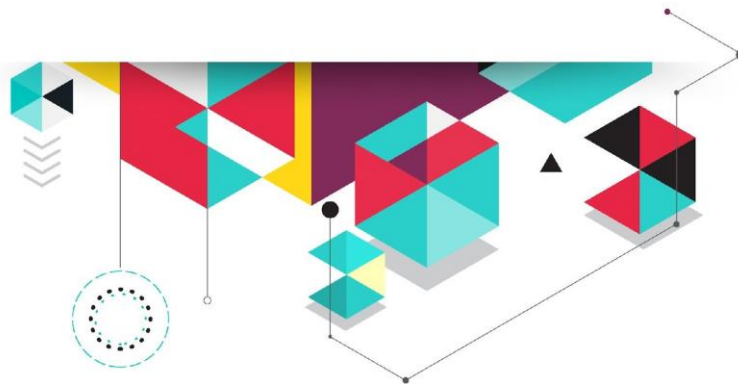


LESSON 13 – PROJECT ORGANISATION – RECAP

Overview



This chapter taught you that a project needs to be reliable, efficient, maintainable and extensible. You learnt how to organize a process from start to finish, as well as how to use the **Invoke Workflow** activity.



Takeaways

- When developing automation projects, it's best to follow these best practices:
 - Reliability**: Solid and robust workflows that can handle errors and recover gracefully
 - Efficiency**: Maintaining smooth execution while cutting down development time through a variety of methods
 - Maintainability**: In an environment where collaboration and handovers are the way things work, it's important that your project is easy to update
 - Extensibility**: The project needs to be as prepared as possible for the addition of new components
- You can select any sequence or flowchart, right click and choose **Extract as Workflow**, thus replacing the selection with an **Invoke Workflow** activity, essentially turning it into programming function, with the parameters being arguments for the workflow

Best practices

- Make sure you take some time to pick the appropriate layout for each workflow:
 - Main: flowchart or state machine
 - Business logic: flowchart
 - UI interactions: sequence
 - Avoid nested IFs by using flowcharts
- It's good to break your process into smaller workflows:
 - Develop and test pieces independently
 - Reuse workflow
 - Collaborate more efficiently by working on separate files
- Always handle exceptions:
 - Place exception prone workflows into Try Catch blocks
 - Same goes for externally invoked workflows
 - Setup recover sequences
- Make sure your workflows are readable:
 - Choose descriptive names for all components
 - Use explanatory notes and comments
 - Log real time execution progress
 - Place environment settings in a config file
- Always keep things clean by closing the applications when they are no longer needed.

Useful links



[Reusing Automation](#)

