​Power Automate formerly known as [Microsoft Flow](http://flow.microsoft.com/) offers rich workflow and business process capabilities for the Business Application platform, and for the Dynamics 365 and Office 365 services that build on that platform.

Additional best practices based on engineering advice is below.

**Concurrency**

You can design Flows to run in singleton fashion or concurrently, or you can tune parallel actions between 1-50  unrelated actions running in parallel to improve performance.

**Loops**

Logic Apps run loops concurrently 20 at a time. This can be scaled down but the default behavior is optimized for performance.  
'Do until' runs sequentially always.

**Error Handling**

process Flow status within the Flow using:  
Try --> Catch --> Finally

**Try**

Put actions in a Try scope

**Catch**

Run after Try scope Failed

**Finally**

Run after Catch scope Succeeded, Skipped, TimedOut, or Failed

**Run after a schedule**

Schedule A runs at 7am every day

Schedule B should run at 6pm only if Schedule A ran successfully

**Run only after another run is successful**

Schedule A runs at 7am every day

Schedule B runs every Sunday at midnight, but only if Schedule A ran successfully the last 7 days.

**Working with variables**

Variables in Logic Apps are global scope.

Array is heterogeneous.

Care needs to be taken when using variables in parallel for-each loop.

**Working with Arrays**

For-each

Run multiple iterations in parallel (50 max)

Wait for all iteration to complete

Aggregate results from all iterations to determine for-each status

Call child Logic App w/ split-on

No upper limit on how many child Logic Apps can run in parallel after split

Parent Logic App fire-and-forget

No aggregation in parent Logic App