



SYNEDGY.COM

INDUSTRIALISE YOUR AUTOMATION



PowerShell Automation and DevOps Transformation.
Partner with SynEdgy to lead your IT Operations into the future.



OUR EXPERTISE

TRAINING — COACHING — DEVELOPMENT
SUPPORTING YOUR TRANSFORMATION



Why Automation, Why Now?

Modern enterprises demand rapid and reliable results – and manual IT processes simply can't keep up. Relying on hand-crafted scripts maintained by individual experts creates bottlenecks and risk. It's **time to industrialise IT operations** with scalable, and collaborative automation.

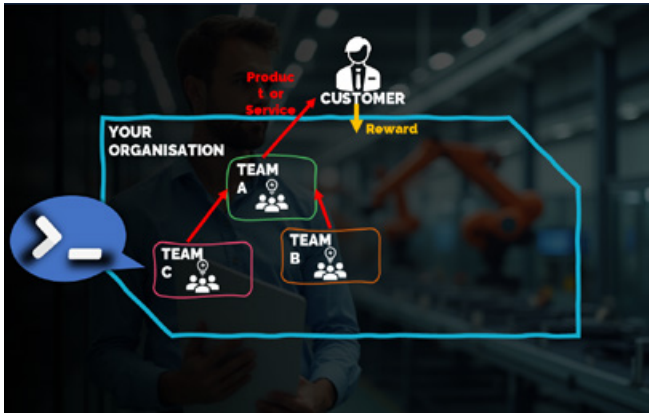
Our PowerShell-focused training and consulting enable your teams to respond swiftly to evolving business demands—equipping your organisation with the agility to move faster, the consistency to reduce risk, and the resilience to adapt with confidence.

The outcome? Streamlined operations, fewer outages, and a stronger foundation for your DevOps journey.

PowerShell: Your Strategic Advantage in Automation

PowerShell is more than just a shell or scripting tool—it's a powerful, adaptable ecosystem designed to bridge the gaps between vendor tools and business needs. When used with agility, it enables seamless integration and tailored solutions. Whether you're building web services with PowerShell Universal or integrating vendor systems from end to end with your business, PowerShell empowers your teams to deliver faster, smarter, and with greater reliability.

PowerShell for Modern ITOps



DEVELOPMENT & AUTOMATION

Optimise and automate daily operations with PowerShell. We teach your team advanced scripting techniques to eliminate repetitive tasks, building your company's modular ecosystem, reducing human error and freeing time for innovation.



INFRASTRUCTURE AS CODE

Infrastructure and Configuration as Code can help with consistency, reliability and compliance - improving your security posture along the way. Transform your infrastructure with repeatable configurations less subject to drift.



PLATFORM ENGINEERING

Build your team's service platform where you can offer self-service tools removing manual tasks and individual availability from the value chain.

Build better integration for your business through Web portal, API workflows, and dashboards.



CONTINUOUS DELIVERY

Learn to integrate PowerShell into CI/CD pipelines, enabling faster, more reliable deployments. We help you build release pipelines (using tools like Azure DevOps/GitHub) so updates roll out seamlessly with minimal downtime, bringing DevOps agility to ITOps.

Finding the constraint: Handcrafting is slow

"Any improvements made anywhere besides the bottleneck are an illusion." Improvements only matter if they target the real constraint. With the right tools and approach, your team can overcome skill gaps, avoid reinventing the wheel, and boost productivity where it counts most.

SynEdgy - Toolmaking experts

At SynEdgy, we don't just advocate for automation—we engineer it. From the **Sampler** framework that streamlines the building and releasing of PowerShell modules, to **Datum**, our tool for managing Microsoft 365 and machine configuration as code using DSC, we've created solutions that drive real results. We've also delivered custom self-service platforms built on **PowerShell Universal**, helping teams automate with confidence. These tools aren't just concepts—they're battle-tested in real-world production environments.



FIND US ON GITHUB
github.com/synedgy

HOW TO TRANSFORM

1 **START WHERE YOU ARE**

The DevOps transformation is not a big refactor that happens overnight, it's a change in habits. Collaboration must happen outside of the meeting rooms: plan regular tasks that you track with the rest of the work.

2 **MODULARISE**

Your Software is how you deliver value to the business: manual work should only handle the exceptions. Get better at shipping PowerShell modules, collaboratively, to compose the bricks of your service's Operating System.

Building, deploying and using new modules must be part of your DNA.

3 **BUILD YOUR PLATFORM**

Build the software platform providing the services your team offers and treat it as one product. Then learn to **release better software, faster** to increase your impact on the business.

WORDS FROM THE FOUNDER

GAEL COLAS Director



I founded SynEdgy to channel deep PowerShell and Automation expertise into a force that helps organisations unlock the full potential of their infrastructure and operations teams. We empower them to shift from cost centres to strategic value creators—driving innovation, resilience, and lasting impact.



LEARN POWERSHELL FROM EXPERTS



All trainings aren't created equal. At SynEdgy we believe in training for real use cases, that brings real business value, fast. We blend immersive experience with real-world applicability. Our labs are based on experience in production environment, where we simplify the variables to progressively build-up your skills.

OUR TRAININGS

00. PowerShell Fundamentals

- > Discover the PowerShell Ecosystem and master IDE, syntax and commands
- > Work with objects, pipelines, and logic to write scripts and modules
- > Automate real-world tasks with hands-on practice



01. Mastering Git Collaboration in PowerShell Projects

- > Master the git CLI and your IDE to track changes
- > Learn the flow and operations on your repositories and branches
- > Create PowerShell Modules built and Pester tested in a pipeline



2A. Getting Started with PowerShell Universal

- > Discover the PowerShell Universal Web platform
- > Create your first web Application displaying your script output
- > Learn how to design user input, API, and task automation



2B. Mastering PowerShell Universal

- > Architect complex web solutions in PowerShell: Frontend to Backend
- > Create APIs for and delegate script execution
- > Develop, release, and run PowerShell Universal in production



3A. Getting Started with Desired State Configuration

- > Discover DSC and the configuration from code principles
- > Create and apply basic configurations
- > Discover the different versions and specificities of DSC



3B. Mastering the DSC Release Pipeline

- > Master advanced DSC concepts for complex environments
- > Create custom resources and modular configurations with composites
- > Become self-sufficient in the professional use of DSC



PARTNER WITH US

We're more than a training provider, we're your strategic modernisation partner. At SynEdgy, we understand that successful training isn't just about delivering content—it's about driving transformation.



CONTACT US

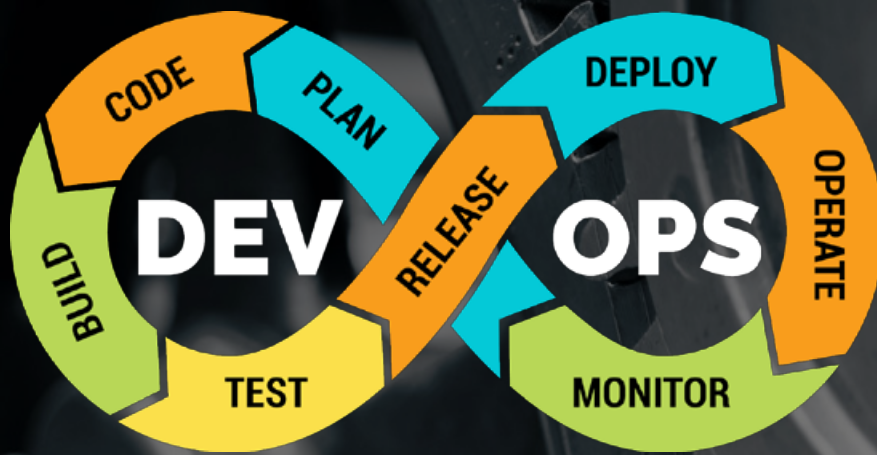


+44 20 4551 2313

For more info, visit synedgy.com

Email: contact@synedgy.com





DEVOPS CAPABILITIES

Our approach weaves in DevOps and Agile best practices so your ITOps teams don't just learn **PowerShell** – They learn how to collaborate, iterate and innovate for the business.

The 4 focus areas and 3 levers of changes

By adopting DevOps principle and practices, your teams don't just improve on their coding skills, they learn how to build value for the business, consistently delivering through rapid iterations, avoiding waste, and focusing on impact over technological success. The 4 focus areas: **change speed**, **collaboration**, **impact** and **efficiency** are constrained by the **technologies**, **processes** and **culture** currently adopted by your teams.



Mapping Behaviours & Practices

To help you along this transformation, we've built our own tools, training and program to assess and track progress of the changes (see "**Mapping Behaviour and Practices**" next page). By developing a situational awareness you and your team will better design and implement the strategy that aligns with your business goals and current situation, towards a more mature operation model.

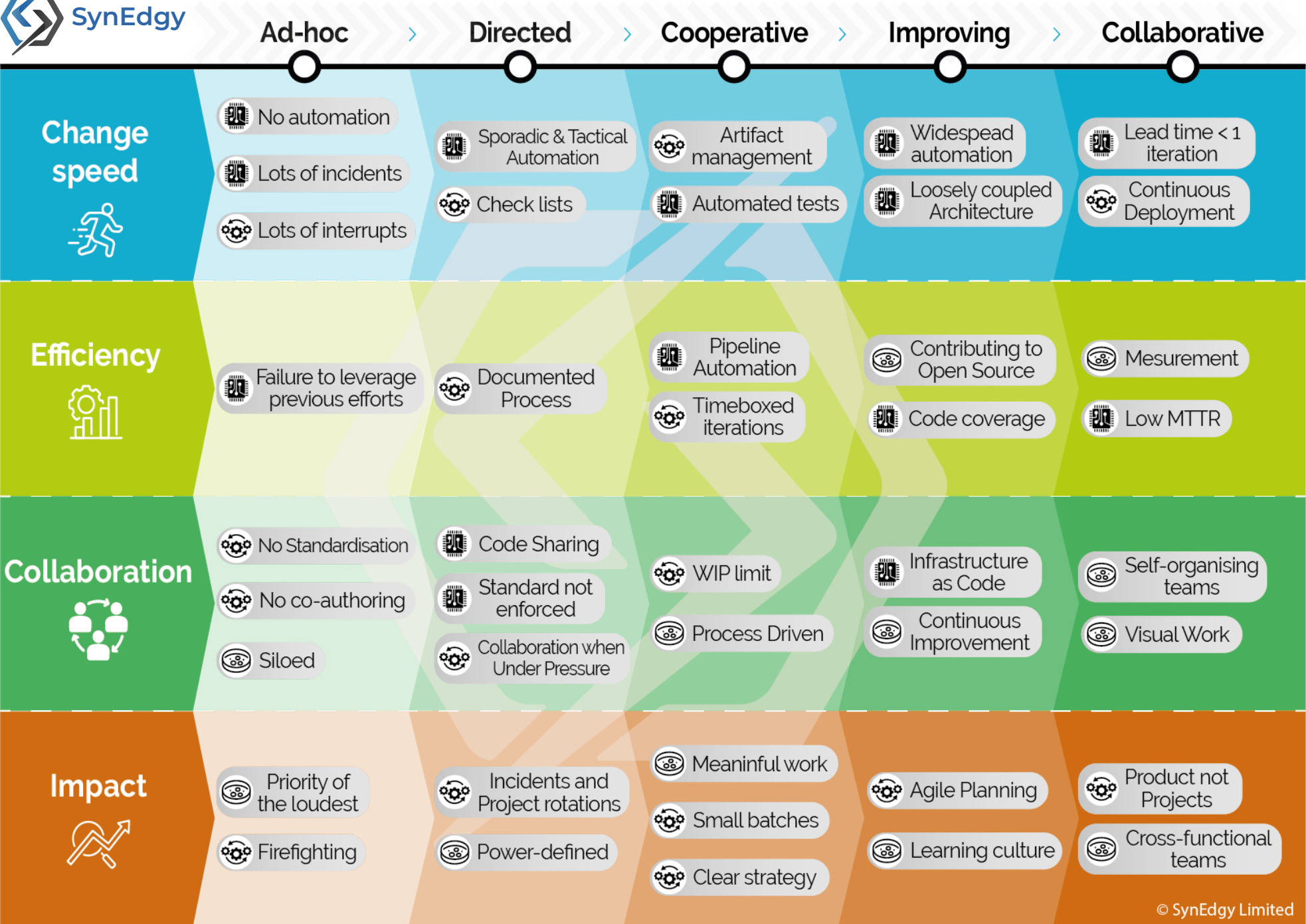
Releasing Better Software, Faster

Once you've acknowledged that software is the vehicle used by your ITOps teams to deliver value, it's easy to understand that delivering value is constrained by the software product you run and build – the mix of third-party software, customisation, and automation added to serve the business.

synedgy.com



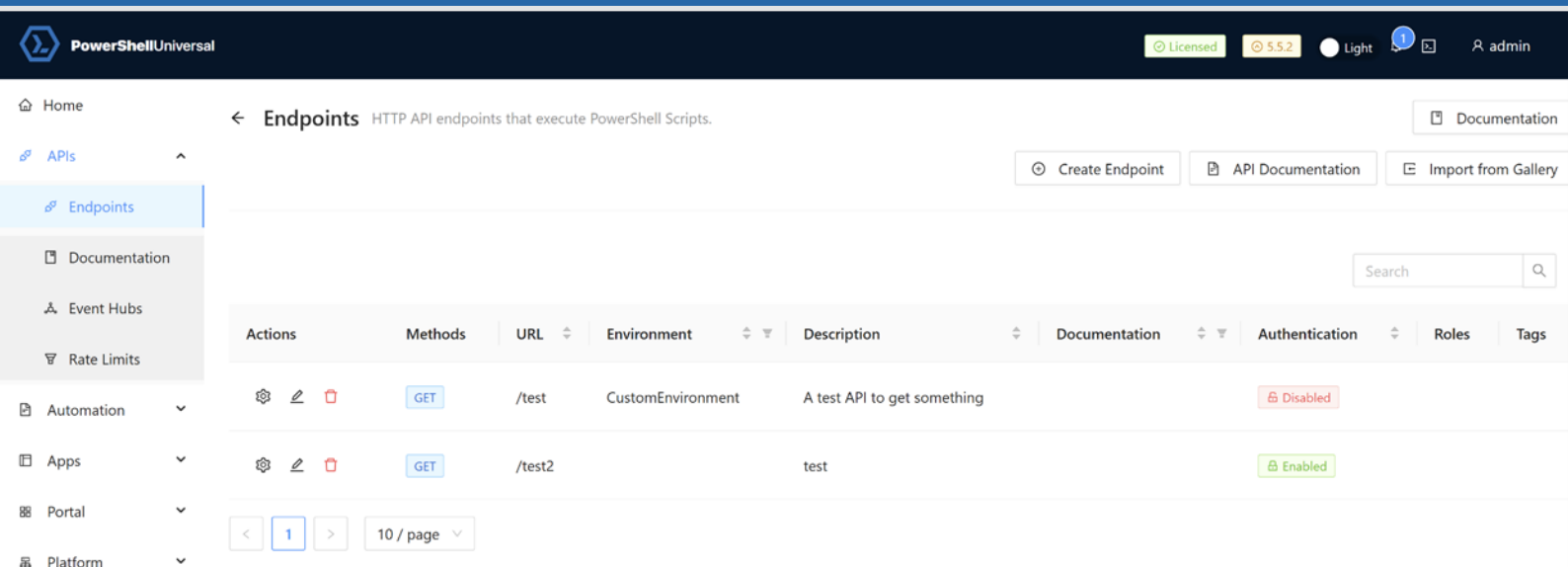
Check out for more!



Build your own service platform with



POWERSHELL UNIVERSAL[®]



PowerShell Universal – developed and commercialised by IronmanSoftware – is a comprehensive platform that enables you to transform isolated PowerShell scripts into a cohesive service platform. It provides a single, centralised hub where IT teams can develop and deploy custom automation tools accessible through dynamic web interfaces and APIs, all in PowerShell.

Ever dreamed to write the software that supports your service ?
PowerShell Universal makes it possible!

BUILD WEB DASHBOARDS, REST APIs & AUTOMATED JOBS EVERYTHING AUTHORED IN POWERSHELL

By unifying script execution, user interface components, and security controls in one place, PowerShell Universal enables organisations to streamline workflows, reduce manual effort, and accelerate their digital transformation. The platform's professional, PowerShell-driven approach ensures technical credibility for engineers while delivering strategic value – improving productivity, collaboration, and governance across the board.

**PowerShell
Universal**



authorised
reseller



POWERSHELL UNIVERSAL

OUR TOP 10 HIGHLIGHTS



Dashboards

Build rich, interactive dashboards using PowerShell code & Universal components.



API Endpoints

Expose PowerShell scripts as RESTful API endpoints, to invoke action or return data.



Role-Based Access Control

Secure your platform with fine-grained permissions for users and roles.



Job Scheduling

Secure your platform with fine-grained permissions for users and roles.



User Interface Components

Create self-service forms and tools for end users all in PowerShell.



Authentication Integration

Support for Windows Auth, OAuth2, OpenID, and other identity providers.



Extensibility via Modules

Extend functionality using existing PowerShell modules or custom-built ones.



Cross-Platform Support

Run scripts and manage automation across Windows and Linux environments.



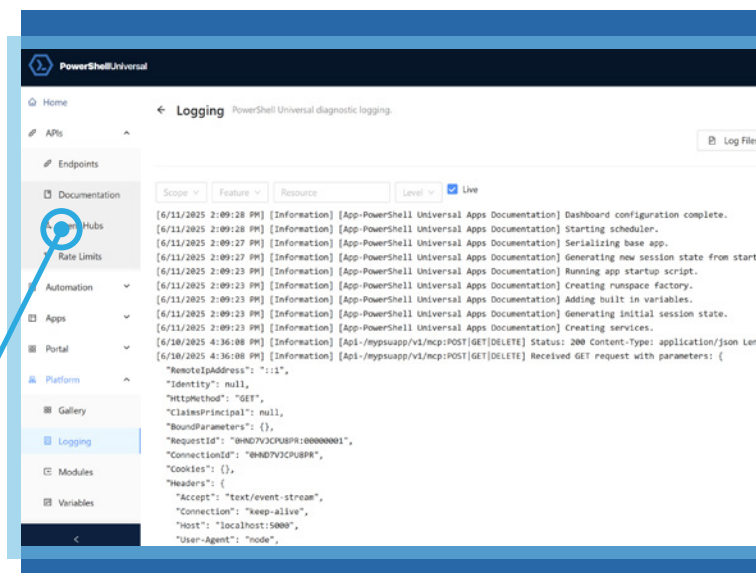
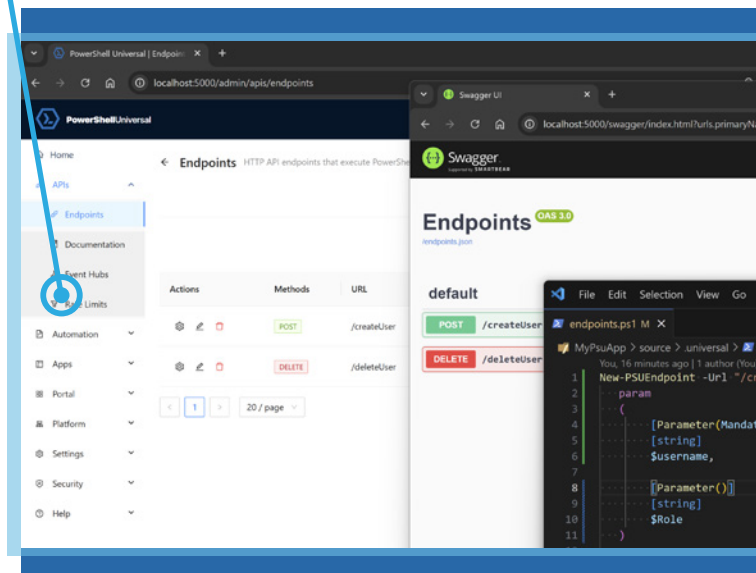
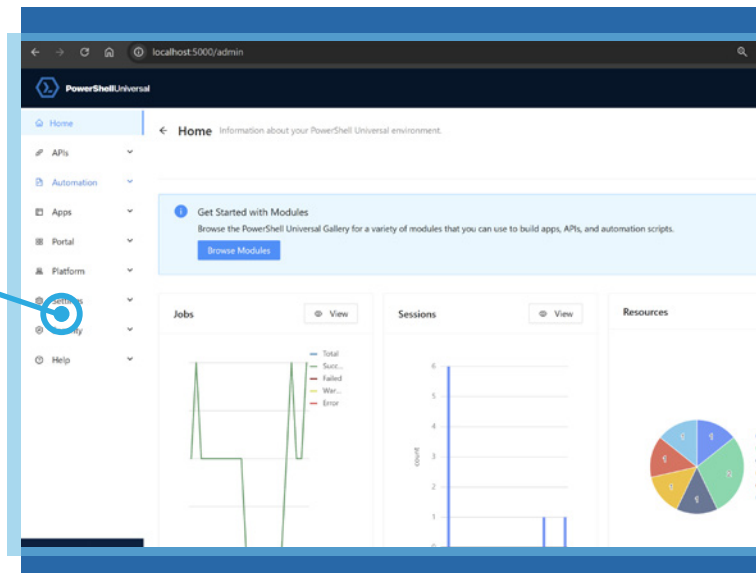
Credential Store

Use the built-in Credential store or connect to another to run script as other identities.



Audit Logging

Track user actions, script execution, and system events for compliance and troubleshooting.





🕒 5 days | up to 14 pax | CHF 10,000

The extended format allows time to deepen understanding, explore real system interactions, and adopt scripting habits aligned with professional automation standards. The course culminates in a final project, enabling participants to consolidate their skills on a practical use case.

Master the basics of PowerShell scripting
Automate routine administrative tasks
Build a strong foundation for advanced automation

> LEVEL REQUIRED

- 



DURATION: 5 DAYS

TRAINING PROGRAMME

► Day 1: PowerShell Foundations

- › Discover the PowerShell environment (CLI, VS Code, help system)
- › Understand cmdlets, pipelines, and the object model
- › Use variables, expressions, and basic data types
- › Practice command discovery and syntax exploration

► Day 2: Scripting Core Concepts

- › Write and structure scripts with functions and parameters
- › Control logic with conditionals and loops
- › Handle errors with try/catch and exit strategies

► Day 3: System Interaction and Data Handling

- › Manipulate files, folders, services, and scheduled tasks
- › Work with objects: filtering, formatting, and grouping
- › Import and export data with CSV, JSON, YAML and XML
- › Use custom objects and hash tables for structured data

► Day 4: Automation and Reusability

- › Automate tasks using remoting and background jobs
- › Use and create PowerShell modules
- › Handle credentials and secure input/output
- › Log activity and design maintainable automation scripts

► Day 5: Best Practices and Final Project

- › Review naming conventions and modular script design
- › Introduce source control and versioning principles
- › Complete and present an automation project
- › Explore next steps: PowerShell Universal, DSC, DevOps pipelines

PRICING

› **Private training** ◀

CHF 10,000 / up to 14 pax / 5 days

Online delivery on our interactive platform
or on site upon request

CHECK OUT FOR MORE!



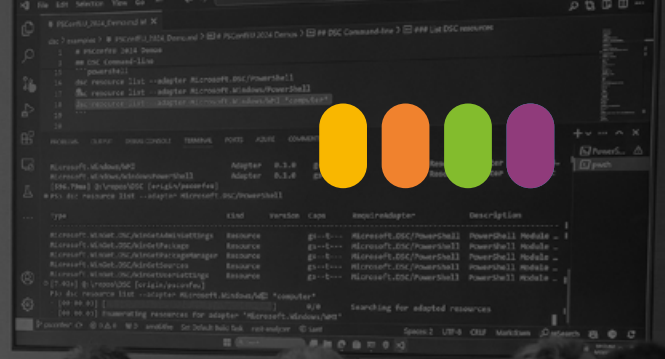


Your detailed schedule for

PowerShell Fundamentals



	DAY 1 12345	DAY 2 12345	DAY 3 12345	DAY 4 12345	DAY 5 12345
8:00	Introduction & setup	Review & test	Review & test	Review & test	Review & test
9:00	Discovering PowerShell	Function fundamentals	String manipulations	WMI & CIM fundamentals	Introduction to Git with Sampler
10:00	Objects and base types	.NET and PowerShell classes overview	Introduction to regular expressions	Registry and providers	Code review best practices
11:00	Variables, conditions and operators	 Lab Writing scripts with functions	 Lab Parsing data and why you should avoid it	Remote execution with WinRM and SSH	Course final review
12:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00	Working with the PowerShell IDE (VSCode)	Error handling and debugging practices	File manipulations and automation	Consuming APIs with PowerShell	Last Q&A
14:00	Loops and pipelines	Introduction to PowerShell modules	Introduction to serialisation (XML, JSON, YAML, CSV)	Module fundamentals (in depth)	 Final test
15:00	Formatting, filtering and output	From scripts to modules	Designing and writing advanced functions	Jobs, threads and concurrency	Introduction to databases with SQLite
16:00	 Lab Building a simple script to bring it all together	 Lab Building your first module	 Lab Managing your configuration as code	 Lab Enhancing your module	Web applications with PowerShell Universal
17:00					Building graphical interfaces (GUI) and terminal-based interfaces (TUI)



MASTERING GIT COLLABORATION IN POWERSHELL PROJECTS

🕒 5 days | up to 10 pax | CHF 15,000

In this course, you'll discover the benefits of using Git with a central server to manage your PowerShell code for collaborating in a team, mastering the tool whether through the CLI or your IDE.

You'll gain expertise in:

- Branching models, rebasing, and conflict resolution, along with workflows that help you avoid these challenges when collaborating on code.
- Continuous delivery techniques for PowerShell modules, enabling you to move quickly while maintaining quality and minimising downtime.

We'll also introduce writing tests with Pester, and managing automated Pipelines with Sampler, to build, test and publish your module automatically.

Master the git tool and your IDE to track changes

Learn the flow and operations of your repositories and branches

Collaborate effectively from local clone to central server

Optimise your PowerShell delivery with a build pipeline

HANDS-ON

- Setup your repository like a pro
- Practice the simple flow (Github Flow) and fix conflicts
- Build your module in a pipeline

> _ LEVEL REQUIRED



DURATION: 5 DAYS

MASTERING GIT COLLABORATION IN POWERSHELL PROJECTS

TRAINING PROGRAMME

► Day 1: DevOps for ITOps

- › Discovering the DevOps lifecycle loop
- › The release pipeline model
- › Agile Work Management for PowerShell

► Day 2: Mastering git with practice

- › Understanding source control and tracking changes
- › Collaboration workflow and working in your IDE and console
- › Practicing git collaboration with forks, clones, PRs and reviews

► Day 3: Introducing PowerShell module Release Pipelines

- › Continuing git collaboration practice with conflict resolution
- › Discovering PowerShell module pipeline with Sampler
- › Collaborating without friction on PowerShell modules

► Day 4: Mastering Continuous Delivery of PowerShell modules

- › Understanding automatic versioning with gitversion
- › Creating new modules and configuring pipelines
- › Discussing other collaboration models and merging strategies

► Day 5: Continuous Delivery in Practice

- › Authoring DSC or PowerShell Universal modules
- › Deploying and consuming modules
- › Planning your next business project

PRICING

› Private training ‹

CHF 15,000 / up to 10 pax / 5 days

*Online delivery on our interactive platform
or on-site at your office on request*

CHECK OUT FOR MORE!



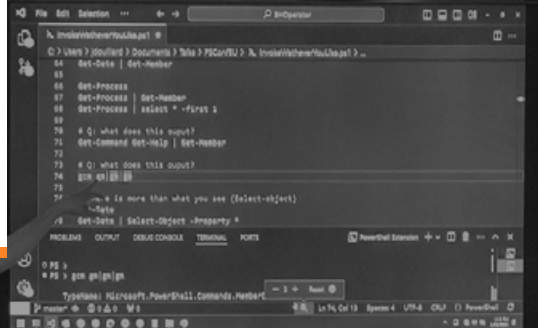


Your detailed schedule for

Mastering Git Collaboration in PowerShell Projects



	DAY 1 12345	DAY 2 12345	DAY 3 12345	DAY 4 12345	DAY 5 12345
8:00	Introduction & setup	Review & test	Review & test	Review & test	Review & test
9:00	Introduction to DevOps principles	Introduction to artifact management	Introduction to CI/CD pipelines	Introduction to PowerShell modules	Continuous delivery for PowerShell modules
10:00	Source control fundamentals	Lab Building Configuration Artifacts in Collaboration	Lab CI/CD with Azure DevOps	Sampler framework introduction	Lab Automatic publishing to a private gallery
11:00	Lab Git & VSCode basics			Lab Building your first Sampler module	
12:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00	Git introduction	Git collaboration fundamentals	When things go wrong: troubleshooting scenarios	Introduction to testing with Pester	Last Q&A
14:00	Lab Git practice	Flows and methodologies	Lab Resolving Git issues	Enforcing coding standards with PSScriptAnalyzer	☒ Final test Using Sampler for other pipelines
15:00	Collaborating with Git in teams	Managing versions with GitVersion		Lab Ensuring quality with CI/CD pipelines	Lab Customising Sampler for your organisation
16:00	Lab Merge, rebase and squash techniques	Lab GitVersion in practice	Extra tips & tricks		
17:00					



GETTING STARTED WITH POWERSHELL UNIVERSAL

 2 days | up to 10 pax | CHF 4,000

Discover PowerShell Universal, the powerful platform that enables you to build rich, interactive web interfaces for visualising data queried with PowerShell. It allows you to design responsive web solutions that gather user input and seamlessly trigger PowerShell automated jobs.

Additionally, PowerShell Universal lets you schedule and automate tasks while exposing your PowerShell automation through custom RESTful APIs, making it easy to integrate with external systems and streamline operations.

In just 2 days, uncover its key features and get started with transforming your automation into a polished experience with professional web front ends and programmable APIs. Ideal for a confident start!

Discover the PowerShell Universal Web platform
Create your first web App displaying your script output
Learn how to design user input, API, and task automation

HANDS-ON

- › Write your first web App
- › Design user input & execute automation
- › Scheduling jobs and custom APIs

> _ LEVEL REQUIRED



DURATION: 2 DAYS

GETTING STARTED WITH POWERSHELL UNIVERSAL

TRAINING PROGRAMME

► Day 1: Introduction to PowerShell Universal

- › Discover the platform and its features
- › Installation and Configuration
- › Administering your server instance
- › Making your first Web app

► Day 2: PowerShell Universal Fundamentals

- › Simple dashboards for displaying data and controlling inputs
- › Scheduling scripts and monitoring execution
- › Creating your PowerShell APIs
- › Using Credentials to delegate execution

PRICING

› *Private training* ‹

CHF 4,000 / up to 10 pax / 2 days

*Online delivery on our interactive platform
or on site upon request*

CHECK OUT FOR MORE!





Your detailed schedule for

Getting started with PowerShell Universal



	DAY 1	DAY 2
8:00	Introduction & setup	Review & test
9:00	Discovering PowerShell Universal	 Lab Creating your first application
10:00	Development in VSCode	Access rights management & authentication
11:00	 Lab Installing & configuring PSU	Modules & environments in PSU
12:00	Lunch Break	Lunch Break
13:00	 Lab Building your first PSU application	PSU module development with Sampler
14:00	Behind the scene: how PSU works	 Lab Building a modular dashboard & API with Sampler
15:00	Scripts, Jobs & Schedules	
16:00	APIs and endpoints	Data management and variables
17:00		

MASTERING POWERSHELL UNIVERSAL

 5 days | *up to 10 pax* | CHF 17,000

Accelerate your digital transformation with PowerShell Universal. This course fast-tracks your progress with a quick overview of core features, followed by hands-on labs where you'll build advanced web solutions using PowerShell.

You'll learn how to:

- › Create secure web interfaces that let non-technical users run scripts safely
- › Develop custom REST APIs for seamless integration with other systems
- › Use SQLite for responsive data caching and queuing
- › Implement MS-SQL for robust, persistent data storage
- › Collaborative development workflows for maximum productivity
- › Use continuous delivery pipelines to ensure flow
- › And hosting best practices, whether hosting on-premises, on standalone servers, or in containers.

Gain the essential skills, tips, and techniques to operate PowerShell Universal securely and efficiently in any environment.

Architect complex web solutions in PowerShell

Create APIs for and delegate script execution

Develop, release, and run PowerShell Universal in production

HANDS-ON

- › Author a PowerShell Web solution
- › Configure and run your instance
- › Deploy changes through CI/CD

> _ LEVEL REQUIRED



DURATION: 5 DAYS

TRAINING PROGRAMME

► Day 1

- › Introduction to PowerShell Universal and its features
- › Installation, Configuration and Admin interface
- › Your first web application

► Day 2

- › API, Security, Users, Tokens and Authentication
- › Development workflow and IDE configuration
- › Writing modules for PowerShell Universal with Sampler

► Day 3

- › Writing a complex Web solution (web controls and displays)
- › Creating API endpoints
- › Using SQLite for caching and MS SQL for persistence

► Day 4

- › Running PowerShell Universal in Production
- › Writing a complex Web solution (continued, execution and scheduling)
- › Debugging, Logging and understanding execution

► Day 5

- › Tips and tricks when running in production (Windows, Azure, Container)
- › Managing releases and deployments
- › Writing complex Web solution (end)

PRICING

› **Private training** ‹

CHF 17,000 / up to 10 pax / 5 days

Online delivery on our interactive platform
or on site upon request

CHECK OUT FOR MORE!





Your detailed schedule for

Mastering PowerShell Universal



	DAY 1 12345	DAY 2 12345	DAY 3 12345	DAY 4 12345	DAY 5 12345
8:00	Introduction & setup	Review & test	Review & test	Review & test	Review & test
9:00	Discovering PowerShell Universal	Lab Creating your first application	Using universal graphical components	Running PSU in production environments	High availability for PSU
10:00	Development in VSCode	Access rights management & authentication	Database integration with SQLite	PSU release pipeline & deployment strategies	Lab Application customisation
11:00	Lab Installing & configuring PSU	Modules & environments in PSU	Lab Adding data caching to your applications	Logging & debugging	Final review of the course
12:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00	Lab Building your first PSU application	PSU module development with Sampler	Introduction to Microsoft SQL Server integration	Refreshing cached data with jobs	Last Q&A
14:00	Behind the scene: how PSU works	Lab Building a modular dashboard & API with Sampler	Lab Building a complete web solution with cache & persistence	Lab Enhancing your solution with the admin UI	☒ Final test
15:00	Scripts, Jobs & Schedules	Data management and variables		Hosting PSU	Advanced features: agents & proxies
16:00	APIs and endpoints				Lab Code review and project discussions
17:00					

GETTING STARTED WITH DESIRED STATE CONFIGURATION

 2 days | up to 10 pax | CHF 4,000

Desired State Configuration (DSC) can significantly improve your IT operations by bringing consistency, automation, and reliability to your infrastructure management.

In this course you will learn the Infrastructure as Code (IaC) concepts and how DSC implements them. You will learn the evolution of DSC, pitfalls to avoid, and the current state of the art of configuration management from code.

You will write and apply basic machine configuration, create a resource, and discover the challenges of an out-of-box experience.

You will then explore the existing solutions and methodologies to be successful with your DSC project.

We'll discuss the new DSC version (v3, not yet fully released) and how the future might look.

Discover DSC and the configuration from code principles
Create and apply basic configurations
Discover the different versions and specificities of DSC

HANDS-ON

- > Write & Apply a configuration
- > Author a DSC resource
- > Test the DSC v3 executable

> _ LEVEL REQUIRED



DURATION: 2 DAYS

GETTING STARTED WITH DESIRED STATE CONFIGURATION

TRAINING PROGRAMME

► Day 1

- › Review DSC principles and concepts (resource, idempotence, module)
- › Compose a Configuration and apply it to a node
- › Author a simple DSC Resource
- › Discover the DSC community modules

► Day 2

- › Authoring DSC Configuration Documents
- › Understanding Configuration Data and Yaml configurations
- › DSCv3 and future directions

PRICING

› *Private training* ‹

CHF 4,000 / up to 10 pax / 2 days

Online delivery on our interactive platform
or on site upon request

CHECK OUT FOR MORE!





Your detailed schedule for

Getting started with Desired State Configuration



	DAY 1	DAY 2
8:00	Introduction & setup	Review & test
9:00	Discovering Desired State Configuration	DSC Operations
10:00	 Lab First Configuration	 Lab Advanced Configuration
11:00	LCM & MOF	Configuration Data & PSD1
12:00	Lunch Break	Lunch Break
13:00	DSC in VSCode	The Configuration Data Problem & Datum
14:00	DSC Resource Anatomy	The DSC Workshop Intro
15:00	 Lab Authoring Your First DSC Resource	DSC v3 Overview
16:00		Microsoft 365 DSC
17:00		

MASTERING THE DSC RELEASE PIPELINE

🕒 5 days | up to 10 pax | CHF 16,500

This course is designed for teams running Desired State Configuration (DSC) in production for complex environments desiring to enhance their Infrastructure as Code (IaC) practices through an automated release pipeline for infrastructure configuration.

You'll explore:

- › The core components of DSC and different level of maturity
- › How to write high-quality modules using the community toolchain
- › How to compose configurations and manage configuration data

Additionally, you'll practice how to:

- › Set up a release pipeline for streamlined deployments
- › Change configurations and the lifecycle of a change

Master advanced DSC concepts for complex environments

Create custom resources and modular configurations with composites

Become self-sufficient in the professional use of DSC

HANDS-ON

- › Applying a DSC configuration
- › Author Resources & Module
- › Setup a complete DSC Pipeline

> _ LEVEL REQUIRED



DURATION: 5 DAYS

TRAINING PROGRAMME

► Day 1

- › Review DSC principles and concepts (resource, idempotence, module)
- › Compose a Configuration and apply it to a node
- › Author a simple DSC Resource
- › Discover the DSC community modules

► Day 2

- › Authoring DSC Configuration Documents
- › Understanding Configuration Data and Yaml configurations
- › DSCv3 and future directions

► Day 3

- › DevOps and Infrastructure as Code with Desired State Configuration
- › The DSC release pipeline model
- › Sampler pipelines and build workflows
- › Hands-on: building and testing DSC configurations

► Day 4

- › Advanced configuration data and Datum architecture
- › Designing and extending configuration hierarchies
- › Pull Server architecture and node onboarding
- › Secrets management and data handlers

► Day 5

- › Operating DSC at scale: security and best practices
- › Troubleshooting DSC configurations and pipelines
- › Final review, Q&A, and knowledge validation

PRICING

› **Private training** ‹

CHF 16,500 / up to 10 pax / 5 days

Online delivery on our interactive platform
or on site upon request

CHECK OUT FOR MORE!





Mastering the DSC Release Pipeline



	DAY 1 12345	DAY 2 12345	DAY 3 12345	DAY 4 12345	DAY 5 12345
8:00	Introduction & setup	Review & test	Review & test	Review & test	Review & test
9:00	Discovering Desired State Configuration	DSC Operations	DevOps approaches	Adding Nodes & Roles	Lab Authoring Composite Resources
10:00	Lab First Configuration	Lab Advanced Configuration	Infrastructure as Code	Datum advanced	
11:00	LCM & MOF	Lab Configuration Data & PSDI	The Release Pipeline Model	Lab Building a custom Hierarchy	Security Considerations
12:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00	DSC in VSCode	The Configuration Data Problem & Datum	Sampler Pipelines Explained	Secrets & Handlers	Lab Pull Server / Onboarding
14:00	DSC Resource Anatomy	The DSC Workshop Intro	Lab Build your DSC configurations (LAB 2h)	Lab Pull Server & OnBoarding	Troubleshooting techniques
15:00	Lab Authoring Your First DSC Resource	DSC v3 Overview			Last Q&A
16:00		Microsoft 365 DSC	Roles & Configurations	Composite Resources	Final test
17:00					

POWERSHELL LEVEL SKILLS



Level 1: Novice

You have been using PowerShell periodically for more than a year and are comfortable following instructions to run commands. You understand the concepts of the CLI (Command line interface) and regularly open a command prompt to run some PowerShell commands.

You understand basic PowerShell syntax and cmdlets, and what object are returned. You can navigate directories, work with variables, and use the help system.



Level 2: Intermediate

You've been using PowerShell on a weekly basis for a couple of years, and are comfortable discovering commands and writing simple scripts and functions. You can effectively use pipelines, filtering with Where-Object, loops, and conditionals. You can work with standard modules and know one or two from your needs.



Level 3: Proficient

You can develop robust scripts to automate routine tasks, and you dislike doing a simple time-consuming task through a GUI more than twice. You mostly work in VSCode or other modern IDE where you create custom functions and may have started to assemble them in a module.

You can install modules from the PowerShell gallery or your private gallery. You understand PowerShell remoting, background jobs, and advanced error management.



Level 4: Advanced

You use PowerShell daily to build and run your solutions. You excel at tackling complex automation challenges and designing robust, modular architectures. When necessary, you apply advanced scripting techniques—such as DSC, secure credential management, or multithreading—to enhance your workflows. Additionally, you integrate with external APIs and systems using PowerShell, consistently optimising performance.



Level 5: Expert

At the pinnacle of PowerShell automation mastery, you continuously embrace the role of an eternal learner. You have designed and implemented scalable, secure solutions, contributing to community modules instead of reinventing the wheel from scratch. You mentor colleagues or community members, adeptly troubleshoot intricate issues, and lead initiatives that champion best practices in script development.



GET IN TOUCH



Switzerland



SynEdgy Sàrl

Chemin de l'Aubousset 2a
1806 St-Légier-La Chiésaz
Suisse

VAT: CHE-437.746.047 TVA
Tel: +41 21 561 67 81



France / Europe



SynEdgy SAS

142 rue de Rivoli
75001 Paris
France



United Kingdom



SynEdgy Limited

Windsor House, Troon Way
Business Centre, Humberstone
Lane
Thurmaston, Leicestershire
England - LE4 9HA

VAT: GB224960702
Tel: + 44 20 4551 2313



contact@synedgy.com

<https://synedgy.com>