

# Classes and Broadcasts: Building a PowerShell Module for Instant Visual Settings

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#### About Me



- Arnoud Jansveld



- Live and work in NJ/NYC
- Systems engineer at (







#### Overview



- Making a PowerShell module to manage visual effects settings
- How Windows broadcast messages are used
- How we can use PowerShell classes

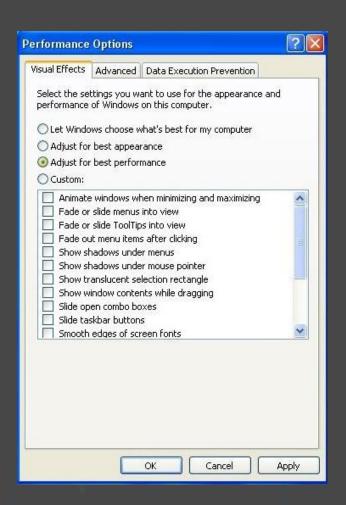


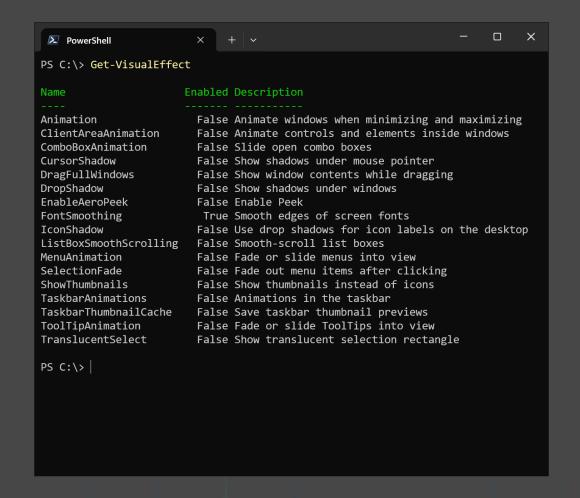
#### PowerShell + DevOps

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#### Requirements



- Changes should take effect immediately
- Flexibility
- Ability to use presets
- Compatibility with PowerShell 5 and later



### Solutions



Existing methods:	Takes effect immediately	Flexible
Registry edits	×	
Group policy	×	
Modify default user profile		×



#### Demo



• So what are these registry entries?







- SystemParametersInfo (SPI) function
- P/Invoke
- WM\_SETTINGCHANGE



#### Demo



- Example API calls
- Visualizing broadcast messages



#### The code



- How to handle different types of settings
- Using classes
- Module structure and demo



## Wrap up



- How Windows broadcast messages are used
- How we can use PowerShell classes
- Created the VisualEffects module



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#### Where is it?



Project site: <a href="https://github.com/janestreet/VisualEffects">https://github.com/janestreet/VisualEffects</a>

PowerShell Gallery









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