Global Logging: WPF and WCF



Erik Dahl
PRINCIPAL ARCHITECT

@dahlsailrunner www.knowyourtoolset.com



Overview



Traditional WPF desktop app

Data from WCF services

Log entry considerations

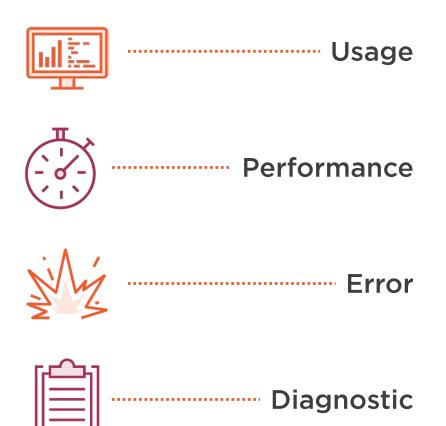
- Types
- Information

Demo

- Show the app
- Add logging via API calls



Types of Log Entries: WPF / WCF



Core concepts still apply

Apply globally when it makes sense

- Global error handlers
- MVVM navigation events
- Every WCF call

Create utility methods to make logging easy



Information to Log: WPF / WCF

Where from?

Product = ToDo

Layer = WpfClient / WcfServer

Location = Class name

Hostname = MachineName

Who is in play?

User = Windows user

What else?

Time spent

Parameters



Demo



Simple WPF app - todos from WCF service

Add some logging

- Use the logging API
- Add utility methods
- Instrument globally where applicable
- Curveball: Deep exception serialization
- Add some ad-hoc calls



Summary



Logging in WPF / WCF

- Concepts getting familiar
- Used our API and avoided coupling
- Use them in other apps not discussed

Up next: ASP.NET Core!

