

# Global Logging: WPF and WCF

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# 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



Usage



Performance



Error



Diagnostic

**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!**

