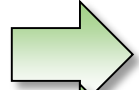# Diagnostics Pattern Library

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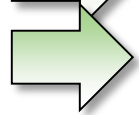
pluralsight
hardcore dev and IT training

Diagnostics Library
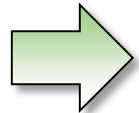
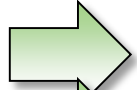➡️ **Seamless addition of Logging and Tracing**

➡️ **Supports**

- ◻ nLog,

- ◻ log4net,

- ◻ Enterprise Library,

- ◻ System.Console,
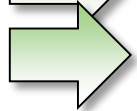
- ◻ System.Diagnostics.Trace

➡️ **Applied at the namespace, class or method levels**
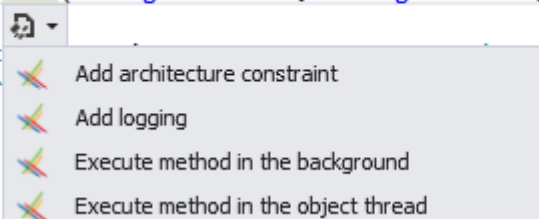
Getting Started

➡ **Select "Add logging" from a Smart Tag**

➡ **Use the Wizard**

```
public class CustomerService
{
    public void Save(string firstName, string lastName, string streetAddress, string city)
    {
        ⚙ ▾
        var cust                                          ();
        customer                              reetAddress, city);
    }
}
```

✦	Add architecture constraint
✦	Add logging
✦	Execute method in the background
✦	Execute method in the object thread

Profiles

Saved logging configurations
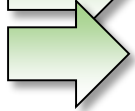
Multiple profile support

Saved in .psproj file
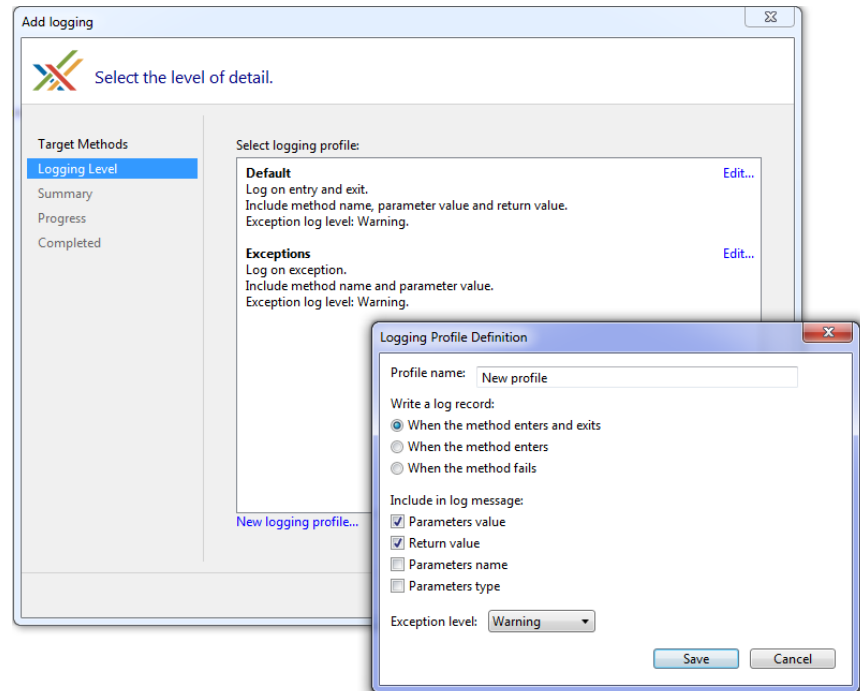
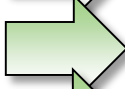# Manual Tweaking

- **All configuration options are available**
  - In the attribute
  - In the logging profile (.psproj)

Summary

➤ **Pre-built logging engine**

➤ **Relies on existing logging frameworks**

➤ **Highly configurable**

➤ **Ready to run out of the box**