.NET SNAP Analysis Workshop

# Agenda

* + What's the App (do)? - 5min
  + What is the App architecture?
  + Technical Stack
  + Deployment Architecture
  + SDLC
  + SNAP

**What's the app? What is the App Architecture?**

* + What does it do (functionality & business value)
    1. Type of app(s): HTTP, BATCH, ETL, EIP?
  + High level Application Architecture
    1. How many individual apps/µSvcs
    2. Logical Architecture

**Technical App Stack (Consider Front End and Back End)**

(Also ask versions)

* + Hardware -
  + Hypervisor -
  + OS -
  + Language/Runtime -
  + Web Server -
  + Application Server -
  + Key libraries/frameworks
    1. Spring
    2. ORM
    3. MVC/REST/SOAP
    4. Messaging
    5. Logging
  + Packaging
  + Configuration/Properties -
  + Dependencies/Libraries
  + Load Balancer -
  + API Gateway
  + Integration Tech
  + APM/App Metrics
  + Logs
  + Authentication/SSO
  + Service Discovery

**Dependencies**

* + Databases
  + Messaging/ESB
  + Other Remote (REST/SOAP) services
  + Caching

**Deployment Architecture**

* + DCs (DR and Scale.  Active-Active or Active-Passive)
  + Number of Instances.  Number of VMs? (Scale and HA)
  + Instance Size/Size of VM? (CPU, Ram, HDD)
  + # Users/TPS

**SDLC**

* + IDE
  + Build tool
  + Dependency Management
  + Unit tests
  + Artifact Repo
  + Build Server
  + Artifact Repository
  + Other Testing/Prod environments
  + Other Testing Tools
  + Deployment Tools

**SNAP (Net)**

* + Session State
  + Disk State/NFS/S3
  + Web Config
  + Windows Authentication
  + GAC
  + Custom IIS Handlers
  + Windows Registry
  + DPAPI
  + BIN deployable dependencies
  + Ports
  + Startup Time
  + Sticky Sessions