# Solution Train Primer

## Responsibilities at the Solution Train Level

1. Lean Systems and Solution Engineering
   1. Refine Solution Intent
      1. System of tracking changes at the technical level (architectural engineers)
   2. Adjust for multiple planning horizons
      1. Integration and coordination with roadmap (Prod Mgmt Director)
   3. Architect for scale, modularity, releasability and serviceability (architectural engineers, Product Managers)
      1. Coordination of intentional architecture and emergent design
         1. Intentional architecture (architectural engineers)
            1. What tech, used where, in what solution

Coordinated with PMs to create Epics and Features

* + - 1. Emergent architecture (trickled down to teams – communicated to and responsible for – reserved for teams later)
         1. How the intentional architecture is designed and implemented
  1. Address Compliance requirements (work with all to ensure information trickles down all of the way to the teams)
     1. Review ongoing and new compliance requirements
        1. Governmental (state or federal)
        2. Industry (standards and measures)
        3. Contractual (uptimes, performance, etc.)

1. Coordinating Trains and Suppliers
   1. Build solution components
      1. PI agenda as it pertains to the roadmap
   2. Integrate solution components
      1. Solution Demos (typically at the conclusion of one or more PIs)
   3. Implement improvements to continuous integration
      1. Whole system/solution coordinated “go live”
   4. Manage supply chain
      1. Need suppliers to engage in Train roles (PMs and POs and Teams working on backlog)
2. Solution Train Continuous Improvement coordination/analysis
   1. Inspect and adapt improvements to the continuous delivery pipeline
   2. Inspect and adapt improvements to the deployment systems