# DevNet Roadshow

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### DevNet:

Background​: Verizon’s​ ​Enterprise​ ​customers​ ​need​ ​to​ ​become​ ​increasingly​ ​agile.​ ​As​ ​their​ ​applications​ ​are rapidly​ ​changing,​ ​their​ ​network​ ​resources​ ​must​ ​shift​ ​just​ ​as​ ​quickly.​ ​DevOps​ ​teams​ ​are​ ​built​ ​to break​ ​down​ ​the​ ​human​ ​barrier​ ​between​ ​applications​ ​and​ ​operations.​ ​DevOps​ ​tools​ ​and solutions​ ​are​ ​offered​ ​to​ ​enable​ ​those​ ​teams​ ​to​ ​succeed.

Solution​: Verizon​ ​DevNet:​ ​The​ ​connection​ ​between​ ​the​ ​application​ ​DevOps​ ​tools​ ​and​ ​network​ ​services.​ ​A network​ ​that​ ​dynamically​ ​reacts​ ​to​ ​application​ ​demands​ ​instantly​ ​(without​ ​learning​ ​how networking​ ​functions).

DevNet​ ​enables​ ​application​ ​deployment​ ​to​ ​drive​ ​network​ ​services​ ​seamlessly​ ​and​ ​without human​ ​interaction​ ​or​ ​delays​ ​putting​ ​the​ ​control​ ​of​ ​application​ ​deployment​ ​back​ ​on​ ​the Developers​ ​or​ ​DevOps​ ​team.

Story​: In​ ​the​ ​drive​ ​to​ ​stay​ ​competitive,​ ​enterprises​ ​are​ ​forced​ ​to​ ​constantly​ ​enhance​ ​their​ ​applications and​ ​services​ ​at​ ​a​ ​rapid​ ​pace.​ ​They​ ​moved​ ​to​ ​a​ ​more​ ​Agile​ ​development​ ​methodology​ ​to increase​ ​speed​ ​while​ ​maintaining​ ​quality​ ​of​ ​the​ ​application.

While​ ​in​ ​the​ ​past​ ​new​ ​applications​ ​were​ ​deployed​ ​at​ ​a​ ​rate​ ​which​ ​allowed​ ​manual​ ​network configuration​ ​and​ ​re-configuration​ ​to​ ​keep​ ​up,​ ​with​ ​the​ ​new​ ​Agile​ ​methods,​ ​continuous​ ​delivery and​ ​continuous​ ​deployment,​ ​network​ ​configuration​ ​has​ ​lagged​ ​behind​ ​slowing​ ​down​ ​the​ ​agility promised​ ​by​ ​DevOps.

To​ ​fully​ ​enable​ ​this​ ​rapid​ ​enhancement​ ​to​ ​applications,​ ​network​ ​monitoring​ ​and​ ​policy requirements​ ​need​ ​to​ ​be​ ​associated​ ​directly​ ​with​ ​the​ ​applications​ ​themselves​ ​and​ ​not​ ​applied​ ​as an​ ​afterthought.​ ​This​ ​is​ ​a​ ​‘shift-left’​ ​of​ ​network​ ​configuration​ ​into​ ​the​ ​application​ ​development cycle.​ ​Once​ ​the​ ​requirements​ ​have​ ​been​ ​bound​ ​to​ ​the​ ​application,​ ​​ ​network​ ​monitoring​ ​and policy​ ​changes​ ​are​ ​no​ ​longer​ ​required​ ​to​ ​be​ ​managed​ ​manually.​ ​They​ ​can​ ​be​ ​automated​ ​in​ ​the DevOps​ ​pipeline​ ​just​ ​like​ ​a​ ​change​ ​to​ ​application​ ​architecture​ ​or​ ​code.

### **Goals:**

* Increase SAs Application IQ – By talking about application economy
* Walk-Through Customer Application Factory
* Glue VZ Solutions to the Application Factory
* Create Real World Use Cases with VZ Partner Eco-System
* Role play with customers environments

### Requirements:

Online Video’s ?

### Resources:

Laptop -- Hands on Labs

### Evaluation:

Role Play Certification

### Course Schedule:

| Hour | Topic | Required Reading |
| --- | --- | --- |
|  | * SDLC 101: The basic stages of the Software Development Lifecycle and the related challenges our customers face. |  |
|  | * CI 101: Agile Development & Continuous Integration |  |
|  | * DevOps 101: A three-part look at introducing DevOps, the Four Quadrants of DevOps Maturity and mapping the customer journey. |  |
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### Examinations:

Between topics answer a few questions

Role Play