Vision

Mission
Boost platform performance to extreme level

Core Value
QTIP is True Indicator of Performance

- Transparent
- Reliable
- Understandable
- Extensible

Overview
A top-down decomposition of QTIP project

The Pile - area

Small "T" - sections

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Big "T" - modules

| storage | network | compute | Sample | APPLICATION | Test tools | unibench | perf | ...
|---------|---------|---------|--------|-------------|------------|----------|------|-------|
| ...     | Monster VM | VM vs BM | Technique | SUPPORTING | Installers | fuel | Daisy | ...
| ...     | Pharos   | Doctor  | Feature | FRAMEWORK | Services   | database | dashboard | ...

| core | runner | loader | collector | reporter | api | RESTful | ...
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| resource | api | metric | plan | ...
|----------|-----|--------|------|-------|
Application
Who will be interested to get a performance benchmark?
QTIP will be driven by the application requirements from end-users.

Sample
How should I use QTIP for my application?
QTIP will provide examples of different benchmarks including
- compute
- network
- storage

Technique
How much performance elevation/loss we could benefit/suffer from a technique?
Things we might explore
- Virtual Machine vs Bare Metal
- Monster VM
- DPDK
- SR-IOV

Function
Is the given NFVI qualified for dedicated function?

Framework
A performance testing framework or eco-system is required to achieve our mission.
The core area QTIP will focus in would be
- Benchmark, a simple score as the performance indication in specified application
- Reporting, user friendly result visualization and comprehensive test data

Supporting
A skyscraper can not be built without a solid base.

Test Tools
3rd party tools to be integrated for getting raw test data. Contribute to upstream if required.

Installers
Allow flexible deployment of QTIP benchmark in different environment

Infrastructure
Help to accelerate development and reach out for influence.