



THEOREM #1

SOA GOVERNANCE OBSERVERS NEWTON'S LAWS OF MOTION

SOA Blueprint

A structured blog by Yogish Pai

1. *Every object in a state of uniform motion tends to remain in that state of motion unless an external force is applied to it.*

IT organization shall not change until an external force is applied, either by business or IT executives. Even though the Architects and the technical team may state that they have adopted SOA across the IT organization, SOA is a methodology that requires both Business and IT transformation.

Once moving in a steady speed, it shall continue to move in at a steady speed in a straight line.

Once standing still, it will continue standing still.

2. *The relationship between an object's mass m , its acceleration a , and the applied force F is $F = ma$. Acceleration and force are vectors (as indicated by their symbols being displayed in slant bold font); in this law the direction of the force vector is the same as the direction of the acceleration vector.*

Typically organizations adopt SOA by either conducting a Pilot project or adopting SOA for one of the projects. This adoption of SOA across the enterprise is directly proportional to the momentum it gains from the various LOBs. The more LOBs are involved or buy into the SOA methodology, the faster it gains momentum.

It accelerates in the direction you push it.

If you push twice as hard, it accelerates twice as much.

If it gets twice the mass, it accelerates half as much (small pilots or first couple of projects)

3. *For every action there is an equal and opposite reaction.*

There will be an equal force in Business and IT resisting SOA, whether it be from IT Operations, Project Managers, PMO, LOB, Business Analysts, packaged application development teams, etc. Executive buy in is essential to overcome this hurdle.

If you push on it, it pushes on you.

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