

Lesson 1

Foundations of Computer Networks

Life is found in Layers, inside and out.

Main Points

1. Networks are built by linking computers that act in the roles of workstation and server nodes. Likewise, the first expression of consciousness is when creative intelligence curves back on itself to create the roles of knower, known and process of knowing (Rishi, Devata, Chandas).
2. The goal of Networking is **reliable, efficient, and secure** communication. Our main purpose in this course is to explore the concepts, principles and technology that have been developed to meet these goals.
3. Network technology is organized into layers of cooperating services for improved reliability and reusability. Each layer provides services to the layer above and offers services to layers below. In the natural world, life is found to be structured in layers of creative intelligence, from microscopic to astronomic, and from gross to subtle.

Connecting the Parts of Knowledge with the Wholeness of Knowledge

1. The layered reference model of networking is the primary technique of modeling network behavior. To gain mastery over the whole field of life, bring the mind to the finest level of thought, the level of pure consciousness, to structure the home of all the laws of nature in our awareness.
 2. Networks can be classified by either their transmission technology (broadcast vs. point-to-point) or their scale (LAN, WAN, Internet, etc). The unified field is like a cosmic network that connects every point with every other point in creation.
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3. Transcendental consciousness is the home of all the laws of nature.
 4. Wholeness moving within itself: In Unity Consciousness, the whole diversity of life is recognized as an expression of one's own unbounded Self.

