CLAIMS

1. A translation environment (150) for a network architecture, the network architecture including a first and second networked environment (110, 130), each having a first and second network respectively, wherein the first and second networked environments (110, 130) and translation environment are coupled to one another by the Internet, the translation environment to select automatically a compatible communication protocol between the first and second communication networks (107A, 115, 107B), the translation environment (150) comprising:

an application engine (111), using one or more processors (301), configured to receive, via the Internet (115), an attempted communication from a first end-point of the first networked environment to a second end-point of the second networked environment, the application engine (111) including:

a decoder engine (157) configured to sample the received attempted communication; and

a protocol conversion engine (155) configured to:

determine an underlying transport protocol of the received attempted communication;

determine a protocol allowed by the second network of the second networked environment; and

convert the underlying transport protocol of the received attempted communication to be compatible with the second network of the second networked environment, and wherein the application engine is further configured to establish a connection with the second end-point (105A, 105B) via the Internet (115).

2. The translation environment of claim 1, wherein the protocol conversion engine is configured to determine the underlying transport layer of the received attempted communication prior to an actual communications session.

3. The translation environment of claim 1, wherein the protocol conversion engine (155) is further configured to encapsulate a payload of the received attempted communication within the second protocol supported by the second network of the second networked environment.

4. The translation environment of claim 1, wherein the protocol conversion engine (155) is further configured to make a determination that a firewall is associated with the second network, and based on the determination that the firewall is associated with the second network, the protocol conversion engine (155) is further configured to convert an underlying transport protocol of the attempted communication to traverse the firewall.

5. The translation environment of claim 1, further comprising an application programming interface (153) configured to allow communication between a browser and the protocol conversion engine (155).

6. A conversion method of automatically selecting compatible communication protocols between communications networks, the method, being performed by an application engine in a translation environment coupled to a first and second networked environments (110, 130) by the Internet, comprising:

receiving, via the Internet, an attempted communication from a first end-point of the first networked environment to a second end-point of the second networked environment;

sampling the received attempted communication;

determining an underlying transport protocol of the received attempted communication;

determining a protocol allowed by a network of the second networked environment;

converting the underlying transport protocol of the received attempted communication to be compatible with the network of the second networked environment; and

establishing a connection to the second end-point (105A, 105B) via the Internet.

7. The method of claim 6, wherein the step of determining the underlying transport protocol of the received attempted communication is prior to an actual communication session.

8. The method of claim 6, further comprising encapsulating a payload of the received attempted communication within the second protocol associated with the second network of the second networked environment.

9. The method of claim 6, further comprising:

making a determination that a firewall is associated with the second network that may block the attempted communication from the first end-point; and

based on the determination that the firewall is associated with the second network, converting an underlying transport protocol of the attempted communication to traverse the firewall.

10. A non-transitory machine-readable storage medium comprising instructions that, when executed by one or more processors (301), cause the one or more processors (301) to perform a method of any one of Claims 6 to 9.