



What is a Software Framework?

A software framework is a universal, reusable software platform used to develop applications, products and solutions. Software Frameworks include support programs, compilers, code libraries, an application programming interface (API) and tool sets that bring together all the different components to enable development of a project or solution.

Software Frameworks are designed to facilitate the development process by allowing designers and programmers to spend more time on meeting software requirements rather than dealing with the more tedious details of providing a working system. Software frameworks allow developers to spend less time coding, less time "developing" and debugging and more time on value-added development and concentrating on the business-specific problem at hand rather than on the plumbing code behind it resulting, faster time to market.

Software frameworks are used to develop device-to-enterprise applications, Internet-enabled products and automation system solutions.

EndPoint is a software platform that integrates diverse systems and devices regardless of manufacturer, or communication protocol into a unified platform that can be easily managed and controlled in real time over the Internet using a standard web browser. EndPoint resolves the challenges associated with open systems, integration and interoperability by integrating diverse systems and devices - regardless of manufacturer, or communication protocol - into a unified platform that is easily managed and controlled over the Internet. A scalable solution EndPoint increases the functionality and value of "smart devices and systems" by connecting real time operational data to the people and systems that manage business enterprises.

EndPoint creates a common environment that connects to almost any embedded device imaginable. It models the data and behavior of the devices into normalized software components, providing a seamless, uniform view of device data to the enterprise via a wide variety of IP-based protocols, XML-based connectivity options, and open API's. By transforming the data from diverse external systems into normalized components, EndPoint creates an architecture that provides substantial benefits over gateway-based integration.

EndPoint is the industry's first, open source development framework that provides a complete software platform for developing, deploying, integrating, and managing pervasive device applications at the lowest level. It brings the power of programmable control and the Internet down to extremely inexpensive devices. EndPoint distributes decision making control and manageability to any device and brings intelligence and connectivity to the network edge and back.

Technology Features

- Open source
- Rapid porting to new hardware platforms
- Programmable or fixed applications
- Wired and wireless communications
- Seamless integration to EndPoint
- Remote provisioning

Benefits of EndPoint

- EndPoint is an extremely robust, flexible, and expandable open-based development platform which integrators can build applications with unparalleled reliability, security, operational integrity, flexibility, and bottom-line value. Benefits include:
 - Lower costs and minimized risks - Take advantage of much lower upfront capital investment
 - Focus on the business value Frees up organizations from supporting high-cost, custom solutions.
 - Faster time-to-value and market - Reduces the time required to implement a security solution.
 - Rapid and easy implementation - Reduce initial project implementation requirements
 - Decrease time-to-market and optimize performance of the applications

Design technically and philosophically to your specifications and create more features and functionality