The Lightweight & Efficient Application Protocols (LEAP) Manifesto

May 21, 2013

About The LEAP Manifesto

The LEAP Manifesto is organized as a series of largely independent articles. Each of these articles stands on its own, and can be read and understood independently of the others. Together, these articles provide a complete picture of the Mobile Messaging industry and the role of the LEAP protocols. Since each article is intended to be self-contained, some material is duplicated in more than one article.

The complete LEAP Manifesto is available in several alternative formats:
(ONE-HTML) (SPLIT-HTML) (PDF) (PS) (Text Only)

The LEAP Manifesto consists of the following articles:

- **Executive Summary.** An overview summary of the entire LEAP Manifesto. The Executive Summary provides a brief description of all the major elements of the manifesto.
  First Published: 2000/8/4 Last Updated: 2000/12/5
  Article formats: [HTML] [PDF] [PS] [Text Only]

- **Part I: The LEAP Protocols**

  – **Overview of the LEAP Protocols.** A general overview description of the LEAP protocols.
    First Published: August 4, 2000
    Last Updated: August 8, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

  – **The LEAP Protocol Development Model.** A description of the processes used to develop the LEAP protocols, and how and why these differ from conventional development processes. This article also includes a criticism of the IETF protocol development processes.
    First Published: August 4, 2000
    Last Updated: June 16, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

  – **Free Protocols Foundation Policies and Procedures** A description of the Free Protocols Foundations processses to ensure the development and maintenance of patent-free protocols.
    First Published: March 29, 2000
    Last Updated: June 26, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

  – **ESRO: A Foundation for the Development of Efficient Protocols.** A technical description of ESRO, the transport mechanism component of LEAP.
    First Published: August 4, 2000
    Last Updated: August 9, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

  - **EMSD: The LEAP E-Mail Component.** A technical description of EMSD, the e-mail component of LEAP.
    First Published: August 4, 2000
    Last Updated: July 14, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **Efficiency of EMSD.** A technical paper analyzing the efficiency characteristics of EMSD and comparing its efficiency to other e-mail protocols.
    First Published: October 23, 1996
    Last Updated: August 16, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **A Brief History of LEAP.** A summary of the major events in the evolution of the LEAP protocols.
    First Published: August 4, 2000
    Last Updated: September 20, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **The Future of LEAP.** A description of the planned future development of LEAP, including descriptions of several LEAP-based products and services which are currently under development.
    First Published: August 4, 2000
    Last Updated: June 14, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

- **Part II: LEAPing Over Closed Solutions**
  - **The WAP Trap.** A detailed criticism of a set of specifications called the Wireless Application Protocol, or WAP. This article demonstrates that WAP is entirely unfit to play the role of a Mobile Messaging industry standard.
    First Published: April 3, 2000
    Last Updated: May 26, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **LEAP: One Alternative to WAP.** A point-by-point comparison of the LEAP protocols to the WAP specifications. This article demonstrates that LEAP has all the desirable characteristics of an industry standard protocol that WAP lacks.
    First Published: August 4, 2000
    Last Updated: December 6, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **WAP Scraps.** A discussion of what can be salvaged from what remains of WAP.
    First Published: August 28, 2001
    Last Updated: August 28, 2001
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **Operation Whiteberry.** A description of how equivalent functionality to the closed BlackBerry mobile messaging solution can be implemented based on a completely open model, using existing open-source software implementations of LEAP, and existing off-the-shelf hardware components.
    First Published: February 27, 2001
    Last Updated: November 3, 2002
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

- **Part III: Making LEAP Widespread**
  - **Strategy for Making LEAP Widespread.** A description of our strategy for encouraging widespread usage of the LEAP protocols, including the distribution of open-source software implementations of the protocols, and the availability of free subscriber services.
    First Published: August 4, 2000

Last Updated: August 8, 2000
Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

  - **EMSD on Windows CE.** A technical paper describing the architecture and implementation of EMSD on Windows CE devices.
    First Published: March 3, 1997
    Last Updated: August 16, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **LEAP on Palm OS.** A technical paper describing the architecture and implementation of LEAP on Palm OS devices.
    First Published: September 27, 2001
    Last Updated: September 27, 2001
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **LEAP in JAVA.** A technical paper describing the architecture and implementation of LEAP in JAVA.
    First Published: February 4, 2003
    Last Updated: February 4, 2003
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

    LEAP on Linux Based PDAs. A technical paper describing the architecture and implementation of LEAP on Linux Based PDAs.
    First Published: September 27, 2001
    Last Updated: September 27, 2001
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **Trying out LEAP.** A step-by-step, hands-on demonstration of how the LEAP protocols can be used to turn any Windows CE device into a fully functional Mobile Messaging device.
    First Published: June 12, 1998
    Last Updated: June 12, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **WhiteBerry and Bluetooth.** A description of how WhiteBerry and Bluetooth can be used in combination to bring new and enhanced messaging capabilities to the mobile professional.
    First Published: July 27, 2001
    Last Updated: July 31, 2001
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **Use of EMSD for Mail Notification.** A description of how EMSD can be used to provide a general Mail Notification service.
    First Published: TBD
    Last Updated: TBD
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]
  - **Lessons From History: Comparative Case Studies.** An analysis of the factors which lead to the success or failure of protocols, including discussions of several historical case studies.
    First Published: August 4, 2000
    Last Updated: July 7, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]

- **Part IV: The Mobile Messaging Industry**
  - **The Mobile Messaging Industry.** An overview of the Mobile Messaging industry, and a description of the essential factors that are required for its long term success and growth.
    First Published: August 4, 2000
    Last Updated: August 10, 2000
    Article formats: [ONE-HTML] [SPLIT-HTML] [PDF] [PS] [Text Only]