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PlanetLab Design Notes

PlanetLab Design Notes (PDNs) are documents describing the design of the platform, or other topics highly relevant to PlanetLab implementation. Please send contributions to the editor, **Scott Karlin**.

Individual BiBTeX entries are available for each paper by following the links below. You may also view the **aggregate PDN BiBTeX database**.

PDN-02-001 [PDF](#) [BibTeX](#) **A Blueprint for Introducing Disruptive Technology into the Internet**, Larry Peterson, Tom Anderson, David Culler, and Timothy Roscoe, July 2002. *Appears in the Proceedings of ACM HotNets-I Workshop, Princeton, New Jersey, USA, October 2002.*

PDN-02-002 [PDF](#) [BibTeX](#) **PlanetLab Phase 0: Technical Specification**, The PlanetLab Phase 0 Architecture Team, edited by Timothy Roscoe, August 2002.

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- **M-Lab answer: "How fast is Measurement PlanetLab software world-wide, and Google queries"**
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- **Shellshock bug**
Due to the recent vulnerability, several externally accessible

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PDN-02-005 PDF BibTeX **Dynamic Slice Creation**, The PlanetLab Architecture Team, edited by Larry Peterson, October 2002.

PDN-02-006 PDF BibTeX **Isolation of Shared Network Resources in Xenoservers**, Andrew Warfield, Steve Hand, Timothy Harris, and Ian Pratt, November 2002.

PDN-02-007 PDF BibTeX **An End-to-End Approach to Globally Scalable Network Storage**, Micah Beck, Terry Moore, and James S. Plank, November 2002.

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PDN-03-010 PDF BibTeX **A Simple Common Sensor Interface for PlanetLab**, Timothy Roscoe, Larry Peterson, Scott Karlin, and Mike Wawrzoniak, March 2003 (updated May 2003).

PDN-03-011 PDF BibTeX **BGP Feed Configuration Memo**, Akihiro Nakao and Larry Peterson, April 2003.

PDN-03-012 PDF BibTeX **A Routing Underlay for Overlay Networks**, Akihiro Nakao, Larry Peterson, and Andy Bavier, April 2003.

PDN-03-013 PDF BibTeX **Slice Creation and Management**, Brent Chun and Tammo Spalink, July 2003.

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- PDN-03-014 PDF BibTeX **Sophia: An Information Plane for Networked Systems**, Mike Wawrzoniak, Larry Peterson, and Timothy Roscoe, July 2003.
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- PDN-04-018 PDF BibTeX **Globus and PlanetLab Resource Management Solutions Compared**, Matei Ripeanu, Mic Bowman, Jeffrey S. Chase, Ian Foster, and Milan Milenkovic, February 2004. *Appears in the Proceedings of the Thirteenth IEEE International Symposium on High-Performance Distributed Computing (HPDC-13), Honolulu, Hawaii, June 2004..*
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- PDN-04-020 PDF BibTeX **IPv4 Address Use in PlanetLab**, Jeff Sedayao, April 2004.
- PDN-04-021 PDF BibTeX **The Design Principles of PlanetLab**, Larry Peterson and Timothy Roscoe, June 2004 (updated January 2006). *Appears in Operating Systems Review, 40(1):11-16, January 2006.*
- PDN-04-022 PDF BibTeX **Proper: Privileged Operations in a Virtualised System Environment**, Steve Muir, Marc Fiuczynski, Larry Peterson, Justin Cappos, and John Hartman, August 2004 (updated June 2005). *Appears in the Proceedings of the USENIX 2005 Annual Technical Conference, Anaheim, California, April 2005.*
- PDN-04-023 PDF BibTeX **PlanetLab: Version 3.0**, PlanetLab Implementation Team, August 2004 (updated January 2005).
- PDN-04-024 PDF BibTeX **An End-to-End Approach to Globally Scalable Programmable Networking**, Terry Moore, Micah Beck, and James S. Plank, September 2004. *Appears in the Proceedings of the*

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