

nist cloud computing reference pdf

NIST SP 500-292 NIST Cloud Computing Reference Architecture ii Reports on Computer Systems Technology The Information Technology Laboratory (ITL) at the National Institute of Standards and Technology (NIST) promotes the U.S. economy and public welfare by providing technical leadership for the nation's

NIST Cloud Computing Reference Architecture - ws680.nist.gov

It is a generic high-level conceptual model that is an effective tool for discussing the requirements. The NIST cloud computing reference architecture presented in this document is a logical extension to the NIST cloud computing definition. and relates to a companion cloud computing taxonomy.

NIST_Cloud_Computing_Reference.pdf | Cloud Computing

The NIST Definition of Cloud Computing Cloud computing is a model for enabling ubiquitous, convenient, demand network access to a shared on- pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that

The NIST definition of cloud computing

contributions and discussions by the membership of the NIST Cloud Computing Standards Roadmap Working Group, chaired by Michael Hogan and Annie Sokol of the Information Technology Laboratory, National Institute of Standards and Technology, U.S. Department of Commerce.

NIST Cloud Computing Standards Roadmap

This paper presents the first version of the NIST Cloud Computing Reference Architecture (RA). This is a vendor neutral conceptual model that concentrates on the role and interactions of the ...

(PDF) NIST Cloud Computing Reference Architecture

(NIST) and describes standards research in support of the NIST Cloud Computing Program. Certain commercial entities, equipment, or material may be identified in this document in order to describe a concept adequately.

NIST Cloud Computing Security Reference Architecture

NIST Special Publication 500-291, NIST Cloud Computing Standards Roadmap, July 2011 NIST Special Publication 500-292, NIST Cloud Computing Reference Architecture, September 2011 NIST Special Publication 500-293, US Government Cloud Computing Technology Roadmap, Volume I and Volume II, October 2014

NIST Cloud Computing Related Publications | NIST

As an extension to the above NIST cloud computing definition, a NIST cloud computing reference architecture has been developed by the NIST Cloud Computing Reference Architecture and Taxonomy Working Group that depicts a generic high-level conceptual model for discussing the requirements, structures and operations of cloud computing.

NIST Cloud Computing Standards Roadmap - ws680.nist.gov

Cloud computing is an evolving paradigm. The NIST definition characterizes important aspects of cloud computing and is intended to serve as a means for broad comparisons of cloud services and deployment

strategies, and to provide a baseline for discussion from what is cloud computing to how to best use cloud computing.

The NIST Definition of Cloud Computing - Winthrop

Peter Mell (NIST), Tim Grance (NIST) Abstract Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.

SP 800-145, The NIST Definition of Cloud Computing | CSRC

The NIST Cloud Computing Program and initiative to build a USG Cloud Computing Technology Roadmap is one of several complementary and parallel U.S. government cloud computing initiatives defined ...

NIST Cloud Computing: Reference Architecture

Standardized Architecture for NIST-based Assurance Frameworks in the AWS Cloud Quick Start Reference Deployment AWS Envision Engineering AWS Professional Services AWS Quick Start Reference Team January 2016 (last update: November 2017) This Quick Start supports the following requirements: NIST SP 800-53, 800-122, and 800-171

Standardized Architecture for NIST-based Assurance

cloud computing “Build a USG Cloud Computing Technology Roadmap” “Lead efforts to develop standards and guidelines” Starting Material “NIST Definition of Cloud Computing (SP 800-145)” “Develop a Reference Architecture for Cloud Computing Determine the “What” of Cloud Computing, not the “How” 2

Cloud Computing - A NIST Perspective and Beyond

The purpose of this document is to define a NIST Cloud Computing Security Reference Architecture (NCC-SRA)--a framework that: i) identifies a core set of Security Components that can be implemented in a Cloud Ecosystem to secure the environment, the operations, and the data migrated to the cloud;...

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