

Grid, Distributed and Cloud Computing Resources Primer

By

Marcus P. Zillman, M.S., A.M.H.A.
Executive Director – Virtual Private Library
zillman@virtualprivatelibrary.com

Grid, Distributed and Cloud Computing Resources Primer is a comprehensive listing of grid resources, distributed computing resources, cloud computing resources, clusters, and parallel computing sites on the Internet. The below list of sources is taken from my Subject Tracer™ Information Blog titled Grid Resources and is constantly updated with Subject Tracer™ bots at the following URL:

<http://www.GridResources.info/>

These resources and sources will help you to discover the many pathways available to you through the Internet to find the latest grid and distributed computing resources and sites. There you can help to discover the next prime number, discover the cure for AIDs, and more, using distributed resources on the Internet.

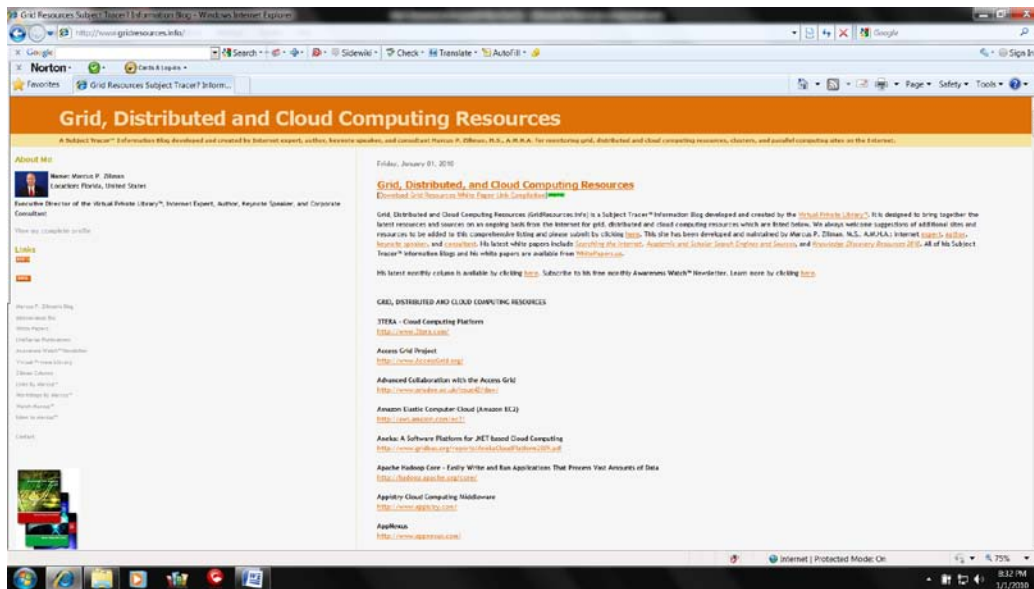


Figure 1: Grid, Distributed and Cloud Computing Resources

1



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Cloud Computing Primer

Cloud computing describes a broad movement to treat IT services as a commodity with the ability to dynamically increase or decrease capacity to match usage needs. By leveraging shared infrastructure and economies of scale, cloud computing presents a compelling business model. It allows users to control the computing services they access, while sharing the investment in the underlying IT resources among consumers. When the computing resources are provided by another organization over a wide-area network, cloud computing is similar to an electric power utility. The providers benefit from economies of scale, which in turn enables them to lower individual usage costs and centralize infrastructure costs. Users pay for what they consume. Users can also increase or decrease their usage, and leverage the shared underlying resources. With a cloud computing approach, a cloud customer can spend less time managing complex IT resources and more time investing in core mission work.

Cloud computing is defined by the National Institute of Standards and Technology (NIST) as “a model for enabling 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.” NIST has identified five essential characteristics of cloud computing: on-demand service, broad network access, resource pooling, rapid elasticity, and measured service.

Cloud computing has several deployment models, each of which provides distinct trade-offs which migrate applications to a cloud environment. NIST defines four cloud deployment models as follows:

(1) Private Cloud – The cloud infrastructure is operated solely for an organization. A private cloud may be managed by the organization or a third party and may exist on premise or off premise.

(2) Community Cloud – The cloud infrastructure is shared by several organizations and supports a specific community that has shared concerns (e.g., mission, security requirements, policy, and compliance considerations). A community cloud may be managed by the organizations or a third party and may exist on premise or off premise.

(3) Public Cloud – The cloud infrastructure is made available to the general public or a large industry group and is owned by an organization selling cloud services.



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

(4) Hybrid Cloud – The cloud infrastructure is a composition of two or more clouds (private, community or public) that remain unique entities but are bound together by standardized or proprietary technology that enables data and application portability (e.g., cloud bursting for load-balancing between clouds).

Cloud computing can also be categorized into service models. These three models are defined by NIST to be:

(1) Cloud Software as a Service (SaaS) – The capability provided to the consumer is to use the provider’s applications running on a cloud infrastructure. The applications are accessible from various client devices through a thin client interface such as a web browser (e.g., web-based email). The consumer does not manage or control the underlying cloud infrastructure including network, servers, operating systems, storage, or even individual application capabilities, with the possible exception of limited user-specific application configuration settings.

(2) Cloud Platform as a Service (PaaS) – The capability provided to the consumer is the ability to deploy onto the cloud infrastructure consumer-created or acquired applications created using programming languages and tools supported by the provider. The consumer does not manage or control the underlying cloud infrastructure including network, servers, operating systems or storage, but has control over the deployed applications and possibly application hosting environment configurations.

(3) Cloud Infrastructure as a Service (IaaS) – The capability provided to the consumer is processing, storage, networks, and other fundamental computing resources where the consumer is able to deploy and run arbitrary software, which can include operating systems and applications. The consumer does not manage or control the underlying cloud infrastructure but has control over operating systems, storage, deployed applications, and possibly limited control of select networking components (e.g., host firewalls).

Cloud computing enables IT systems to be scalable and elastic. End users do not need to determine their exact computing resource requirements upfront. Instead, they provision computing resources as required, on-demand.

Cloud-based projects can be conceived, developed, and tested with smaller initial investments than traditional IT investments. Rather than laboriously building data center capacity to support a new development environment, capacity can be provisioned in small increments through cloud computing technologies. After the small initial investment is made, the project can be evaluated for additional investment or



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

cancellation. Projects that show promise can gain valuable insights through the evaluation process. Less promising projects can be cancelled with minimal losses. This “start small” approach collectively reduces the risk associated with new application development. Reducing the minimum required investment size will also provide a more experimental development environment in which innovation can flourish!

Grid, Distributed and Cloud Computing Resources:

3TERA - Cloud Computing Platform

<http://www.3tera.com/>

Access Grid Project

<http://www.AccessGrid.org/>

Advanced Collaboration with the Access Grid

<http://www.ariadne.ac.uk/issue42/daw/>

Amazon Cloud Drive

<https://www.amazon.com/clouddrive/learnmore>

Amazon Cloud Drive Desktop APP for Windows and Mac

<http://www.amazon.com/gp/feature.html?ie=UTF8&docId=1000796781>

Amazon CloudSearch

<http://aws.amazon.com/cloudsearch/>

Amazon Elastic Computer Cloud (Amazon EC2)

<http://aws.amazon.com/ec2/>

Aneka: A Software Platform for .NET-based Cloud Computing

<http://www.gridbus.org/reports/AnekaCloudPlatform2009.pdf>

Apache Hadoop Core - Easily Write and Run Applications That Process Vast Amounts of Data

<http://hadoop.apache.org/core/>

Appistry-Cloud Computing Middleware

<http://www.appistry.com/>

4



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

AppNexus

<http://www.appnexus.com/>

ArchiveGrid - Historical Archives from Throughout the World

<http://www.archivegrid.org/web/index.jsp>

Artificial Intelligence Systems Distributed Computing Project

<http://www.intelligencerealm.com/aisystem/system.php>

BioGRID

<http://www.thebiogrid.org/>

BOINC - Open-Source Software for Volunteer Computing and Grid Computing

<http://boinc.berkeley.edu/>

Boomi AtomSphere(SM)

<http://www.boomi.com/>

Building the Info Grid

<http://www.ariadne.ac.uk/issue45/buildinginfogrid-rpt/>

caBIG™ - cancer Biomedical Informatics Grid

<https://cabig.nci.nih.gov/workspaces/Architecture/caGrid/>

CenterGate Research Group LLC

<http://www.centergate.com/>

CirrusGrid by CPUUsage - Distributed and Extensive Computing

<http://www.cpusage.com/>

CISS - Canadian Internetworked Scientific Supercomputer

<http://www.cs.ualberta.ca/~ciss/>

Clean Energy Distributed Project

<http://cleanenergy.harvard.edu/go/>

Climate Prediction

<http://climateprediction.net/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Cloud.com - Open Source, Turnkey Infrastructure as a Cloud (IaaS) Software Platform for Everyone

<http://www.cloud.com/>

Cloud and Autonomic Computing Center

<http://www.nsfcac.org/>

CloudApp - Share Files Fast

<http://www.getcloudapp.com/>

CloudBerry Online Backup

<http://www.cloudberrylab.com/default.aspx?page=cloudberry-backup>

CloudBuddy - Your Virtual Desktop

<http://www.mycloudbuddy.com/>

Cloud Computing and Emerging IT Platforms: Vision, Hype, and Reality for Delivering Computing as the 5th Utility

<http://www.gridbus.org/reports/CloudITPlatforms2008.pdf>

Cloud Computing and High-Performance Computing

<http://search.techrepublic.com.com/search/cloud+computing+and+high-performance+computing.html>

Cloud Computing Comparison Engine

<http://www.cloudorado.com/>

Cloud Computing Expo

<http://cloudcomputingexpo.com/>

Cloud Computing Journal

<http://cloudcomputing.sys-con.com/>

Cloud Computing Resource Center

<http://www.deitel.com/ResourceCenters/Programming/CloudComputing/tabid/3057/Default.aspx>

Cloud Computing Resource, News and Support

<http://www.dabcc.com/section.aspx?sectionid=12>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Cloud Computing - Wikipedia
http://en.wikipedia.org/wiki/Cloud_computing

Cloud Contact Forms
<http://cloudcontactforms.com/>

CloudFlare - Website Performance and Security
<http://www.cloudflare.com/>

CloudFogger - Secure File Encryption for Dropbox, SkyDrive, Google Drive and Others
<http://www.cloudfogger.com/en/>

CloudKick - Cloud Server Management
<https://www.cloudkick.com/>

Cloudo - The Computer Evolved
<http://www.cloudo.com/>

CloudSafe - Safe Harbor for Sensitive Data
<https://secure.cloudsafe.com/>

CloudSim: A Novel Framework for Modeling and Simulation of Cloud Computing Infrastructures and Services by Rodrigo N. Calheiros¹, Rajiv Ranjan¹, César A. F. De Rose, and Rajkumar Buyya
<http://www.gridbus.org/reports/CloudSim-ICPP2009.pdf>

CloudXL - An Organized List of Cloud Computing and Software As a Service Providers
<http://www.cloudxl.com/>

Cluster Computing: The Journal of Networks, Software Tools and Applications
<http://www.springerlink.com/link.asp?id=101766>

Cluster Resources
<http://www.clusterresources.com/>

Community Grids Lab
<http://www.communitygrids.iu.edu/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Condor Project - High Throughput Computing

<http://www.cs.wisc.edu/condor/>

Cosmogrid - Grid-enabled Computational Physics of Natural Phenomena

<http://www.cosmogrid.ie/>

D2OL - Drug Design and Optimization Lab - Discover Drug Candidates

<http://www.d2ol.com/>

DataMiningGrid Consortium

<http://www.datamininggrid.org/>

Deep Web Research 2012

<http://www.DeepWebResearch.info/>

<http://DeepWeb.us/>

dhtmlxGrid - Ajax-enabled DHTML Grid with Rich Javascript API

<http://www.dhtmlx.com/docs/products/dhtmlxGrid/>

Digipede Technologies - Distributed Computing Solutions on Microsoft.NET Platform

<http://www.digipede.net/>

Digital Mines - Management for Cloud Computing

<http://www.digitalmines.com/>

Distributed.net - Node Zero

<http://www.distributed.net/>

Distributed Computing Resources

<http://www.jamesthornton.com/hotlist/distcomp.html>

Distributed Generic Information Retrieval (DiGIR)

<http://digir.sourceforge.net/>

Distributed Search Engines

<http://www.openp2p.com/pub/t/74>

Distributed Systems - Google Code University

<http://code.google.com/edu/parallel/index.html>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Distributed Systems Laboratory at University of Chicago
<http://dsl.cs.uchicago.edu/>

Economy Grid (EcoGrid) Project
<http://www.gridbus.org/~raj/ecogrid/>

EditGrid - Online Spreadsheets With Data On Demand
<http://www.editgrid.com/>

EGEE: Enabling Grids for E-science in Europe
<http://egee-intranet.web.cern.ch/egee-intranet/gateway.html>

Einstein@Home Distributed Computing Research Project
<http://einstein.phys.uwm.edu/>

EuroGRID
<http://www.eurogrid.org/>

ExcelGrid
<http://www.gridbus.org/excelgrid/>

eyeOS - Cloud Computing Operating System - Web Desktop - Web OS - Web Office
<http://www.eyeos.org/>

FathomDB - Relational Database-As-A-Service On the Cloud
<http://www.fathomdb.com/>

FightAIDS@Home Distributed Computing Research Project
<http://fightaidsathome.scripps.edu/>

Flexiscale
<http://www.flexiscale.com/>

Folding@Home Distributed Computing
<http://folding.stanford.edu/>

Force.com - Cloud Computing for the Enterprise
<http://www.Force.com/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Ganglia - Scalable Distributed Monitoring System for Clusters, Grids and Clouds
<http://ganglia.info/>

Genome@home
<http://www.stanford.edu/group/pandegroup/genome/>

GGF Document Process - Final Documents (Global Grid Forum)
<http://www.ggf.org/documents/final.htm>

GIS Working Group - Global Grid Forum Information Services Area Group Charter
<http://www-unix.mcs.anl.gov/gridforum/gis/>

Gladinet Cloud - Delivering Cloud Services to Your Desktop and Operating System
<http://www.gladinet.com/>

GoGrid
<http://www.gogrid.com/>

Google™ App Engine - Run Your Web Apps On Google's Infrastructure
<http://code.google.com/appengine/>

Google™ Apps - Software-As-a-Service for Business Email, Information Sharing and Security
<http://www.google.com/apps/intl/en/business/index.html>

GRACE - GRid seArch and Categorization Engine
<http://www.ub.uni-stuttgart.de/grace/>

GRID.ORG™ - Grid Computing Projects
<http://www.grid.org/>

Grid Application and Deployment Projects
<http://www-fp.mcs.anl.gov/~foster/grid-projects/>

Grid Application Development Software Project (GrADS)
<http://hipersoft.cs.rice.edu/grads/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

GridBlocks

<http://gridblocks.hip.fi/>

GridCafe - The Place for Everybody To Learn About Grid Computing

<http://www.gridcafe.org/>

Grid Computing - IEEE Distributed Systems Online

<http://dsonline.computer.org/gc/>

Grid Computing Info Centre (GRID Infoware)

<http://www.gridcomputing.com/>

Grid Computing Planet

<http://gridcomputingplanet.com/>

Grid Forum

<http://www.gridforum.org/>

GridIron™ XLR8™

<http://www.gridironsoftware.com/>

GridLab: A Grid Application Toolkit and Testbed

<http://www.gridlab.org/>

Grid Market Directory (GMD)

<http://www.gridbus.org/gmd/>

Grid Markets Project

<http://www.lesc.ic.ac.uk/markets/>

GridMiner - Intelligent Grid Solutions

<http://www.gridminer.org/>

Grid Performance and Information Services (GGF)

<http://www-didc.lbl.gov/GridPerf/>

GridPP - UK Computing for Particle Physics

<http://www.gridpp.ac.uk/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

GridRepublic - Volunteer Computing

<http://www.gridrepublic.org/>

GridServer - Grid Computing for Business Critical Applications

<http://www.datasynapse.com/>

GridSim: A Grid Simulation Toolkit for Resource Modelling and Application Scheduling for Parallel and Distributed Computing

<http://www.gridbus.org/gridsim/>

GridSim Toolkit -- Resource Modeling and Scheduling Simulation

<http://www.buyya.com/gridsim/>

GRID'XY: IEEE/ACM Grid Computing International Workshop

<http://www.gridcomputing.org/>

GriPhyN - Grid Physics Network

<http://www.griphyn.org/>

Grub's Distributed Web Crawling Project

<http://www.grub.org/>

GVSS - Grid Virtual Screening Service

<http://gvss2.twgrid.org/>

HealthGrid Initiative

<http://initiative.healthgrid.org/>

Hipui UX Platform - Redefines Mobile User Experience with Cloud Apps

<http://www.hipui.com/>

IBM Cloud Computing

<http://www.ibm.com/ibm/cloud/>

IEEE Distributed Systems Online

<http://dsonline.computer.org/>

IEEE Task Force on Cluster Computing

<http://www.ieeetfcc.org/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

iland Workforce Cloud

<http://www.iland.com/solutions/workforce-cloud>

Institute of Parallel and Distributed Systems (IPVS)

<http://www.ipvs.uni-stuttgart.de/start/en>

International Journal of Cloud Computing (IJCC)

<http://www.inderscience.com/browse/index.php?journalCODE=ijcc>

International Journal of Grid and Distributed Computing (IJGDC)

<http://www.sersc.org/journals/IJGDC/>

Internet-based Distributed Computing Projects

<http://distributedcomputing.info>

IRIS: Infrastructure for Resilient Internet Systems

<http://iris.lcs.mit.edu/>

iSGTW - International Science Grid This Week

<http://www.isgtw.org/>

JCGrid Web (Java Grid Computing)

<http://jcgrid.sourceforge.net/>

Journal of Grid Computing

<http://www.springerlink.com/link.asp?id=111140>

JXTA Project

<http://www.jxta.org/>

Lawrence Berkeley National Laboratory - Above the Clouds: A Berkeley View of Cloud Computing

<http://www.lbl.gov/CS/>

LeechPack - The Ultimate Web Based Download Toolkit

<http://www.leechpack.com/>

LHC@home Distributed Computing Research Project

<http://lhathome.cern.ch/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

LHC@home 2.0 Volunteer Computing Platform

<http://lhathome.web.cern.ch/LHCathome/Physics/>

LIBOX - Your Media Your Way

<http://www.libox.com/>

Linked Data - Connect Distributed Data Across the Web

<http://linkeddata.org/>

Manchester HEP Grid Working Group

<http://www.hep.grid.ac.uk/grid/>

Manjrasoft - Innovative Cloud and Grid Computing Technologies

<http://www.manjrasoft.com/>

Mersenne Prime Search

<http://www.mersenne.org/>

Microsoft Cloud Computing Tools

<http://msdn.microsoft.com/en-us/vstudio/cc972640.aspx>

Microsoft Live Mesh

<https://www.mesh.com/Welcome/default.aspx>

Milkyway@Home - Help Discover the Structures in the Milky Way Galaxy

<http://milkyway.cs.rpi.edu/milkyway/>

Mithral - Client-Server Software Development Kit (CSSDK)

<http://www.mithral.com/products/cs-sdk/>

MoneyBee

<http://uk.moneybee.net/>

MusicGrid - A Case Study in Broadband Video Collaboration by Hassan Masum, Martin Brooks, and John Spence

<http://firstmonday.org/htbin/cgiwrap/bin/ojs/index.php/fm/issue/view/184>

myGrid

<http://www.mygrid.org.uk/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

MyGrid - Open Source Grid and Grid Middleware

<http://mygrid.sourceforge.net/>

MysterNetworks - The Evolution of Peer-to-Peer

<http://www.mysternetworks.com/>

Nasuni - The Gateway to Cloud Storage

<http://www.nasuni.com/>

National Centre for eSocial Science (NCeSS)

<http://www.ncess.ac.uk/>

NetSolve GridSolve

<http://icl.cs.utk.edu/netsolve/>

Network World Fusion

<http://www.nwfusion.com/>

NeuroGrid - P2P Search

<http://www.neurogrid.net/>

NextGRID: Architecture for Next Generation Grids

<http://www.nextgrid.org/>

NIST Cloud Computing Collaboration Site

<http://collaborate.nist.gov/twiki-cloud-computing/bin/view/CloudComputing/WebHome>

NIST Cloud Computing Definition

<http://csrc.nist.gov/groups/SNS/cloud-computing/index.html>

NMI-EDIT Consortium

<http://www.nmi-edit.org/>

NSF Middleware Initiative

<http://www.nsf-middleware.org/>

NVIDIA Tesla Personal Supercomputer

http://www.nvidia.com/object/personal_supercomputing.html



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

OGCE - Open Grid Computing Environments Collaboratory

<http://www.ogce.org/>

OneHub - Flexible Cloud to Share Files, Manage Projects and Online Collaboration

<http://onehub.com/>

Open Cluster Group

<http://www.openclustergroup.org/>

Open Data Grid

<http://grid.okfn.org/>

Open Grid Forum - Applied Distributed Computing

<http://www.ggf.org/>

OpenNebula - The Open Source Toolkit for Cloud Computing

<http://www.opennebula.org/>

OpenP2P.com

<http://www.openp2p.com/>

OpenSim - Open Grid Services

<http://www.opensimulator.org/>

Open Science Grid

<http://www.opensciencegrid.org/>

OSCAR : Open Source Cluster Application Resources

<http://www.csm.ornl.gov/oscar/>

Otixo - Manage Your Online Services in the Cloud

<http://www.otixo.com/>

Parabon Computation - Internet Computing is Computing Outside the Box

<http://www.parabon.com/>

Parasitic Computing

<http://www.nd.edu/~parasite/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Paremus - Redefining Enterprise Grid

<http://www.paremus.com/>

PCs Do Thousands of Years of Work By Jo Twist

<http://news.bbc.co.uk/1/hi/sci/tech/4270241.stm>

Peer to Peer Working Group - P2P WG - Internet2

<http://p2p.internet2.edu/>

PiCloud - Cloud Computing Simplified

<http://www.picloud.com/>

PlanetLab

<http://www.planet-lab.org/>

Platform GRID Computing

<http://www.platform.com/>

Primadesk - Search, Manage, and Backup Your Personal Cloud Data with One Simple Interface

<https://www.primadesk.com/>

Proteins@home Distributed Computing Research Project

<http://biology.polytechnique.fr/proteinsathome/>

Public Data Sets on AWS

<http://aws.amazon.com/publicdatasets/>

PVM: Parallel Virtual Machine

<http://www.csm.ornl.gov/pvm/>

QADPZ - Quite Advanced Distributed Parallel Zystem

<http://qadpz.sourceforge.net/>

Quadrics

<http://www.quadrics.com/>

RackSpace Cloud - Cloud Computing, Cloud Hosting and Online Storage

<http://www.rackspacecloud.com/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

RadiotherapyGrid

<http://www.isgtw.org/?pid=1002620>

ReliaCloud - Cloud Computing, Cloud Hosting, Cloud Servers

<http://www.reliacloud.com/>

Repositories and the Cloud

<http://www.eduserv.org.uk/events/repcloud>

Reservoir - Infrastructure for Cloud Computing

<http://www.reservoir-fp7.eu/>

rPath - A Pragmatic, Incremental Approach to Cloud Computing

http://www.rpath.com/corp/cloud-adoption-model?pi_ad_id=2947665472&gclid=CLzfpmhk5kCFQITswodsmUaZw

RSS Cloud

<http://www.RSSCloud.org/>

Sandglaz - Simply Powerful Todos

<http://sandglaz.com/>

SBGrid Consortium

<http://sbgrid.org/>

SIENA - Standards and Interoperability for eInfrastructure Implementation Initiative

<http://www.sienainitiative.eu/>

SIXTRACK - Research Project Using Internet Connected Computers to Advance Accelerator Physics

<http://lhcatomeclassic.cern.ch/sixtrack/>

SendGrid - Making Email Delivery Easy

<http://sendgrid.com/>

SETI@home: Search for Extraterrestrial Intelligence

<http://setiathome.berkeley.edu/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

SmartFrog - Smart Framework for Object Groups

<http://www.hpl.hp.com/research/smartfrog/>

Spinhenge@home Distributed Computing Research Project

<http://spin.fh-bielefeld.de/>

Standing Cloud

<http://www.standingcloud.com/>

Stratos Learning - Cloud Computing Education

<http://stratoslearning.com/>

StratusLab - Enhancing Grid Infrastructures with Cloud Computing

<http://www.stratuslab.eu/>

Sun Grid Engine -- Data Sheet

<http://www.sun.com/software/gridware/datasheet.html>

Swarm - A Transparently Scalable Distributed Programming Language

<http://code.google.com/p/swarm-dpl/>

SyncDocs - Sync Your Documents with the Google Cloud

<http://www.syncdocs.com/>

SZTAKI Desktop Grid

<http://desktopgrid.hu/>

TeraGrid

<http://www.teragrid.org/>

Terremark Enterprise Cloud

<http://www.theenterprisecloud.com/>

The Beowulf Cluster Site

<http://www.beowulf.org/>

The ChessBrain Network

<http://www.chessbrain.net/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

The Cloud, Cloud Computing, Cloud Hosting, and Cloud Services

<http://www.mosso.com/>

The DataGrid Project

<http://eu-datagrid.web.cern.ch/>

The Globus Alliance

<http://www.globus.org/>

The GRIDS Lab and the Gridbus Project

<http://www.gridbus.org/>

The Open GRiD Project

<http://www.ecsl.cs.sunysb.edu/~maxim/OpenGRiD/>

The Semantic Grid

<http://www.semanticgrid.org/>

ThinkCycle - Open Distributed Collaborative Design

<http://www.thinkcycle.org/>

TOP500 Supercomputer Sites

<http://www.top500.org/>

UNICORE Distributed Computing and Data Resources

<http://www.unicore.eu/>

UPnP™ Forum

<http://www.upnp.org/>

University of Florida - OCEAN Project

<http://www.cise.ufl.edu/research/ocean/>

UShareSoft - Automated Software Appliance Creation and Maintenance

<https://www.usharesoft.com/>

vCloud at Carnegie Mellon

<http://www.pdl.cmu.edu/vCloud/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

VMLogix LabManager - Cloud Edition

<http://www.vmlogix.com/VMLogix-LabManager-Cloud-Edition-Solution/>

WaveMaker - Open Source Development Platform

<http://www.WaveMaker.com/>

Web Services Grid Application Framework (WS-GAF)

<http://www.neresc.ac.uk/ws-gaf/>

Wireless Grids: Squeezing a Grid Onto a Widget

<http://www.isgtw.org/?pid=1002545>

World Community Grid for Health Research

<http://www.worldcommunitygrid.org>

Worldwide Virtual Computer - Legion

<http://www.cs.virginia.edu/~legion/>

WS GRAM - Grid Resource Allocation and Management (GRAM)

<http://www-unix.globus.org/toolkit/docs/3.2/gram/ws/>

XtremWeb - Opensource Platform for Desktop Grids

<http://www.XtremWeb.net>

Yahoo! Directory Computer Science > Distributed Computing

http://dir.yahoo.com/Science/Computer_Science/Distributed_Computing/

ZDNet - Grid Resources

<http://updates.zdnet.com/tags/grid.html>

ZeroPC - Cloud Connect and Search with Any Browser Using Cloud Computing

<http://www.zeropc.com/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Subject Tracer™ Information Blogs

Subject Tracer™ Information Blogs created and developed by the Virtual Private Library™ combine the best of the latest tools on the Internet. Using bots, blogs and news aggregators the Subject Tracer™ Information blogs generate RSS feeds with the latest resources to create a current information resource flow through niched subject tracers. I am proud to be the creator of the Internet's first Subject Tracer™ Information Blogs:

Virtual Private Library™

<http://www.VirtualPrivateLibrary.com/>

Agriculture Resources

<http://www.AgricultureResources.info/>

Artificial Intelligence Resources

<http://www.AIResources.info/>

Astronomy Resources

<http://www.AstronomyResources.info/>

Auction Resources

<http://www.AuctionResources.info/>

Biological Informatics

<http://www.BiologicalInformatics.info/>

Biotechnology Resources

<http://www.BiotechnologyResources.info/>

Bot Research

<http://www.BotResearch.info/>

Business Intelligence Resources

<http://www.BIResources.info/>

ChatterBots

<http://www.ChatterBots.info/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Data Mining Resources

<http://www.DataMiningResources.info/>

Deep Web Research

<http://www.DeepWebResearch.info/>

Directory Resources

<http://www.DirectoryResources.info/>

eCommerce Resources

<http://eCommerceResources.info/>

Elder Resources

<http://www.ElderResources.info/>

Employment Resources

<http://www.EmploymentResources.info/>

Entrepreneurial Resources

<http://www.EntrepreneurialResources.info/>

Financial Sources

<http://www.FinancialSources.info/>

Finding People

<http://www.FindingPeople.info/>

Games Resources

<http://www.GamesResources.info/>

Genealogy Resources

<http://www.GenealogyResources.info/>

Grant Resources

<http://www.GrantResources.info/>

Green Files

<http://www.GreenFiles.info/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Grid, Distributed and Cloud Computing Resources

<http://www.GridResources.info/>

Healthcare Resources

<http://www.HealthcareResources.info/>

Information Futures Markets

<http://www.InformationFutureMarkets.com/>

Information Quality Resources

<http://www.InformationQualityResources.info/>

International Trade Resources

<http://www.InternationalTradeResources.info/>

Internet Alerts

<http://www.InternetAlerts.info/>

Internet Demographics

<http://www.InternetDemographics.info/>

Internet Experts

<http://www.InternetExperts.info/>

Internet Hoaxes

<http://www.InternetHoaxes.info/>

Intrapreneurial Resources

<http://www.IntrapreneurialResources.info/>

Journalism Resources

<http://www.JournalismResources.info/>

Knowledge Discovery

<http://www.KnowledgeDiscovery.info/>

Military Resources

<http://www.MilitaryResources.info/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

New Economy Analytics, Resources and Alerts
<http://www.NewEconomyAnalytics.com/>

Outsourcing/Offshoring Information and Resources
<http://www.OutsourcingOffshore.us/>

Privacy Resources
<http://www.PrivacyResources.info/>

Reference Resources
<http://www.ReferenceResources.info/>

Research Resources
<http://www.ResearchResources.info/>

RestStress™
<http://www.RestStress.com/>

Script Resources
<http://www.WcriptResources.info/>

ShoppingBots
<http://www.ShoppingBots.info/>

Social Informatics
<http://www.SocialInformatics.info/>

Statistics Resources
<http://www.StatisticsResources.info/>

Student Research
<http://www.StudentResearch.info/>

Theology Resources
<http://www.TheologyResources.info/>

Tutorial Resources
<http://www.TutorialResources.info/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

World Wide Web Reference
<http://www.WWWReference.info/>

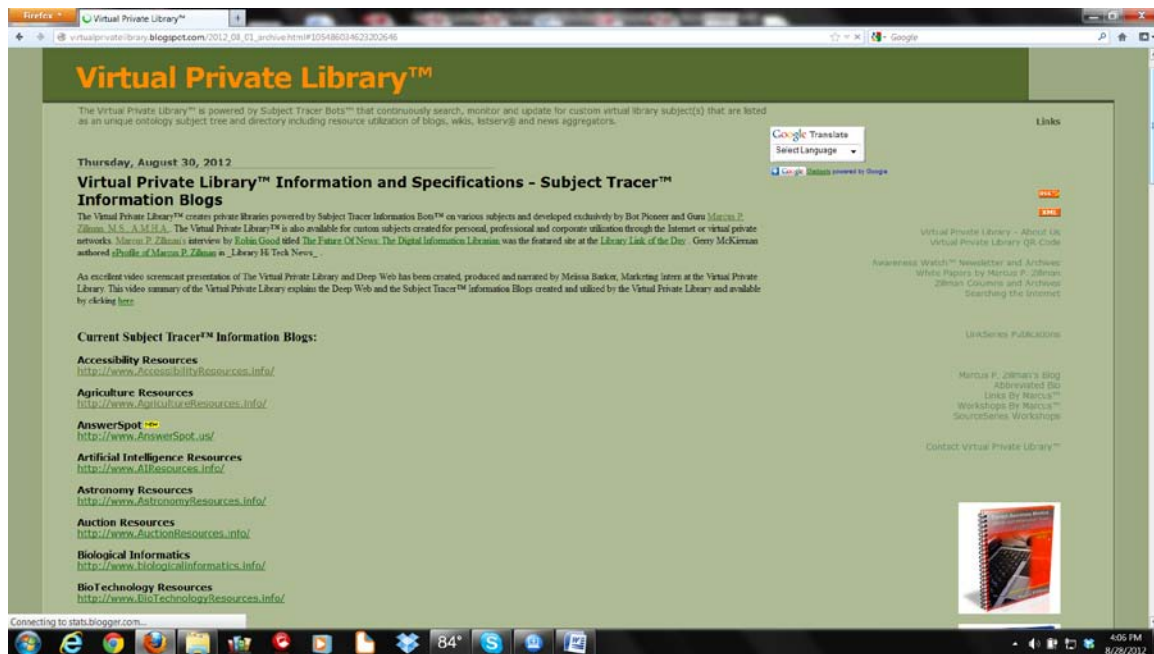


Figure 2: Virtual Private Library™

Author Information: Marcus P. Zillman, M.S., A.M.H.A. Executive Director of the Virtual Private Library is an international Internet expert, author, keynote speaker and corporate consultant in the area of information retrieval, knowledge discovery, knowledge harvesting, artificial intelligence and bots/intelligent agents. He has created numerous world wide web sites including 53 Subject Tracer™ Information Portals and Blogs; written a number of internet miniguides, white papers, manuals and books; hosted over 160 weekly Internet television shows, writes a weekly and monthly column on Current Awareness on the Internet; writes a monthly newsletter Awareness Watch and delivers keynote presentations throughout the international marketplace. He also actively delivers one and two day workshops for key industry sectors displaying how the Internet can be used as a tool to maintain current awareness and professional competencies.

Additional websites by Marcus P. Zillman, M.S., A.M.H.A.:

Marcus P. Zillman's Blog
<http://www.zillman.us/>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Marcus P. Zillman Abbreviated Bio
<http://www.zillman.info/>

White Papers by Marcus P. Zillman
<http://www.WhitePapers.us/>

Internet MiniGuides™
<http://www.InternetMiniguide.com/>

Awareness Watch™ Newsletter
<http://www.AwarenessWatch.com/>

Marcus P. Zillman's Columns
<http://www.ZillmanColumns.com>

LinkSeries Publications
<http://www.LinkSeries.com/>

Internet Sources™ Manual
<http://www.InternetSources.info/>

Links By Marcus™
<http://www.LinksByMarcus.com/>

Workshops By Marcus™
<http://www.WorkshopsByMarcus.com/>

SourceSeries Internet Research Workshops
<http://www.SourceSeries.com/>

Watch Marcus™
<http://www.WatchMarcus.com/>

listen to marcus™
<http://www.ListenToMarcus.com>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Research White Papers, Articles, Lectures and Speeches by Marcus P. Zillman, M.S., A.M.H.A.:

Academic and Scholar Search Engines and Sources

<http://www.ScholarSearchEngines.com/>

Bots, Blogs and News Aggregators

<http://www.BotsBlogs.com/>

Business Intelligence Online Resources

<http://www.BIOnlineResources.info/>

Current Awareness Discovery Tools on the Internet

<http://zillman.blogspot.com/2009/08/current-awareness-discovery-tools-on.html>

Deep Web Research 2012 Article - LLRX and Online White Paper

<http://zillman.blogspot.com/2011/02/llrx-february-2011-issue-deep-web.html>

<http://DeepWeb.us/>

eReference Library Link Toolkit

<http://www.eReferenceLibrary.com/>

Finding Experts By Using the Internet

<http://www.FindingExperts.info/>

Finding People Resources and Sites

<http://www.FindingPeople.info/>

Grid, Distributed and Cloud Computing Resources Primer

<http://zillman.blogspot.com/2011/05/grid-distributed-and-cloud-computing.html>

Healthcare Bots and Subject Directories

<http://www.HealthcareBots.info/>

Knowledge Discovery Resources 2012

<http://www.KDResources.info/>

Online Research Browsers

<http://zillman.blogspot.com/2009/08/online-research-browsers.html>



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Online Research Tools

<http://www.OnlineResearchTools.info/>

Online Social Networking

<http://zillman.blogspot.com/2009/08/online-social-networking.html>

Searching the Internet

<http://www.SearchingTheInternet.info/>

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery

<http://zillman.blogspot.com/2009/08/using-internet-as-dynamic-resource-tool.html>

Web Data Extractors

<http://www.WebDataExtractors.com/>

Web Guide for the New Economy

<http://www.WebGuideNewEconomy.com/>

White Papers By Marcus P. Zillman, M.S., A.M.H.A.

<http://www.WhitePapers.us/>

Internet Tutor by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.InternetTutor.info/>

Visit this site to learn about the availability of Marcus P. Zillman to tutor you or your associate one on one in the privacy of your residence or office on the latest happenings of the Internet including Internet basics to advanced Internet searching using bots and creating your own personal blog

Internet Speaking by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.InternetSpeaker.net>

Visit this site to learn about Marcus P. Zillman's speaking engagements for your organization meetings and events. View and listen to his previous presentations as well as his weekly television shows

Internet Consulting by Marcus P. Zillman, M.S., A.M.H.A.

<http://InternetConsultant.BlogSpot.com/>

Visit this site to obtain information about obtaining the consultation services of Marcus P. Zillman for your company including eCommerce audits, utilization of bots, blogs and



news aggregators or the creation of your own personal virtual private library powered by Subject Tracer™ Information bots!

Current Awareness Monitors, Alerts and Information Traps

<http://www.eCurrentAwareness.com/>

Marcus P. Zillman's latest report Current Awareness Monitors, Alerts and Information Traps is available for purchase online and for immediate download. This report is a comprehensive listing of the latest resources, sources and sites for current awareness on the Internet. This is a must read for anyone who must stay current in their profession and/or business activity as the list of URLs will keep you at the leading edge of your career.

Market Intelligence Resources

<http://www.MarketIntelligenceResources.com/>

Marcus P. Zillman's just released professional Internet MiniGuide is titled Market Intelligence Resources is available for purchase online and immediate download. This 193 page digital miniguide represents a comprehensive listing of the latest resources, sources and sites to discover the latest Market Intelligence sources available on the Internet with many of them freely available! Designed specifically for today's entrepreneur, professional and/or investor.

Entrepreneurial Links 101

<http://www.EntrepreneurialLinks.com/>

Marcus P. Zillman's newly released 231 page eReference digital book for the up and coming entrepreneur. Entrepreneurial Links 101 gives an alphabetical listing of the very best Internet and World Wide Web sites covering Entrepreneur Resources, Business Intelligence Resources and an extremely comprehensive list of Online Research Tools. This is considered by many to be the entrepreneur's bible for finding relevant and competent online resources!

Internet Privacy and Security Resources

<http://www.InternetPrivacySecurity.net/>

Marcus P. Zillman's latest eReference digital publication is a selected comprehensive alphabetical listing of the latest resources and sites covering all aspects of privacy and security currently available over the Internet. From the board room to the family room, these resources and sites give you the information you need to maintain your privacy and security as you use the Internet in your business and personal life.



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.

Research Resources Online Guide

<http://www.ResearchResourcesOnline.net/>

Marcus P. Zillman's latest [LinkSeries Publication](#) is a 340 page digital guide of a selected comprehensive alphabetical listing of the latest and greatest resources and sites covering all areas of research that is currently available over the Internet. The guide covers online research resources and tools for the Newbie to research as well as the Seasoned researcher. Contents include: a) Research Resources, b) Research Tools, c) Student Research Resources Toolkit, d) Knowledge Discovery/Management and Data Mining Resources, e) Knowledge Discovery/Retrieval and the World Wide Web Resources, f) Business Intelligence Resources, g) Reference Resources, and h) Subject Tracer™ Information Blogs.

The Survivor's Manual for The New Economy.

<http://www.NewEconomyManual.com/>

Marcus P. Zillman's latest LinkSeries Publication is a 239 page digital read that gives excellent resources and annotated sources for the new economy analytics, alerts, ecommerce, financial sources, invisible and deep web resources, social and business networking sources along with new economy competitive and business intelligence resources and an extremely comprehensive listing of new economy online tools.



[Updated: August 30, 2012]

Grid, Distributed and Cloud Computing Resources Primer

<http://www.WhitePapers.us/>

zillman@VirtualPrivateLibrary.com

eVoice: 800-858-1462

© 2011, 2012 Marcus P. Zillman, M.S., A.M.H.A.