



INDONESIA COUNTRY REPORT

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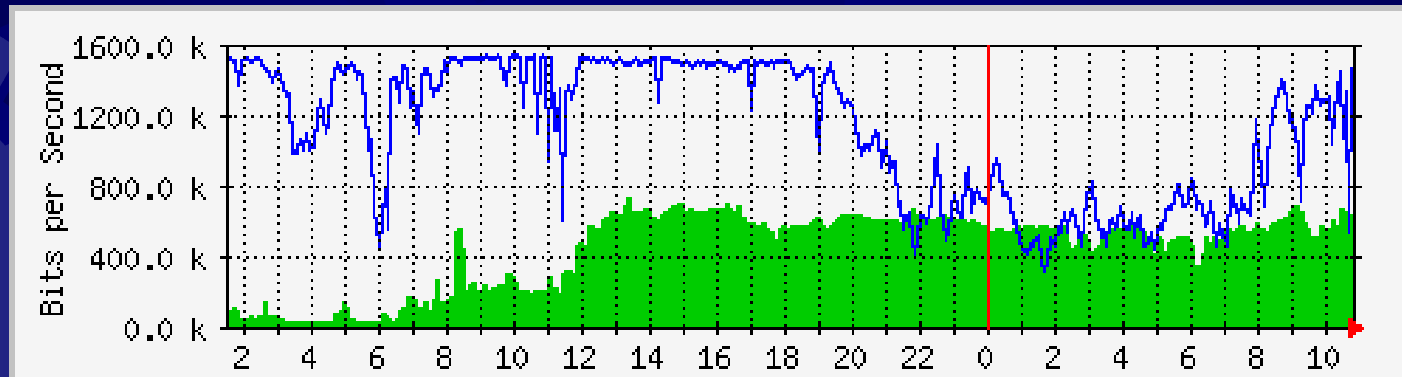
Agenda

- ✦ Operational
- ✦ Web Cache
- ✦ Network Traffic Monitoring
- ✦ IPv6 Implementation
- ✦ Digital library network

Operational

- ☀ Internet Connection:
 - ☀ AI3 Network
 - ☀ Telkomnet (2M to IX, 128k to Internet)
- ☀ ITB AI3 Gateway is FreeBSD 3.2-RELEASE with KAME
- ☀ ITB Telkomnet gateway (FreeBSD 2.2.8-RELEASE) receives 60k routing entries

Ku Band Link Utilization



- ★ Have not get the rain rate data
(No significant rain occurred until last week)
- ★ We build new weather station
- ★ We just receive the manual of IDU , so we will continue to make the capture system of IDU

AI3 ITB Network Nodes

- ✦ 3 C band nodes (Palapa Satellite)
- ✦ No LC (it was 6 LC nodes)
 - ✦ Change the 'ISP' → non AI3 members
- ✦ 15 Wireless nodes
 - ✦ Bandung area
 - ✦ 2 mbps / 11 mbps

Cache network

☀ Cachebone project

☀ goal

- building cache network
- efficient network usage

☀ current state

- cachebone.itb.ac.id become a parent for ai3-ITB partner that provide stable cache protocol such ICP and experimental ones such HTCP and Cache-digest
- each partner become a sibling for each other

Cache network

☀ Cachebone partners

- ☀ Unila (www.unila.ac.id)
- ☀ Unpar (www.unpar.ac.id)
- ☀ Untan (www.untan.ac.id)
- ☀ Unpad (www.unpad.ac.id)
- ☀ Ikip (www.ikip-bdg.ac.id)

Cache Server

- ☀ Main cache server located at AI3 NOC

- ☀ ns2.itb.ac.id

- Pentium III 500, 512 MB, 8 GB SCSI UW-II
- FreeBSD 3.4-RELEASE, SQUID-2.3STABLE4

- ☀ ns1.itb.ac.id

- Pentium 200 , 128 MB, 4 GB SCSI
- FreeBSD 3.3-RELEASE, SQUID-2.3STABLE4

- ☀ cachebone.itb.ac.id

- Pentium III 500, 512 MB, 8 GB SCSI UW-II
- FreeBSD 3.4-RELEASE, SQUID-2.3STABLE4

Cache Peer

☀ Parent

☀ IRCACHE network

Our main caches are parenting to 7 Ircache servers : lj, sv, startap, bo, pa, uc, pb

☀ AI-3 Net

We got dead_parent message for server cache-naist1.ai3.net

☀ APAN

We got dead_parent message for server cache01.jp.apan.net

Server Statistics

- ☀ Hosts served : 650
- ☀ Requests per hour : 40,500
- ☀ Hit requests : 37.20%
- ☀ Hit bytes : 18%
- ☀ CPU utilization : 40%
- ☀ Memory utilization : 250 MB

Server Statistics

- ☀ Ns2.itb.ac.id (the busiest)
 - ☀ provide access for local ITB campus only
 - ☀ most active client :
 - proxy.tf.itb.ac.id
 - www.if.itb.ac.id
 - cache.bi.itb.ac.id
 - proxy.math.itb.ac.id
 - medac.geoph.itb.ac.id

Server Statistics

- ☀ Cachebone.itb.ac.id
 - ✳ Only accept cache child
 - ✳ Most active child :
 - du35.unpad.ac.id
 - unisba.ac.id
 - proxy.unpar.ac.id
 - gerbang.untan.ac.id

Server Statistics

☀ Ns1.itb.ac.id

- ☀ Cache for AI-3 ITB partner that do not provide cache child
- ☀ Most active client
 - sadewa.iptn.co.id
 - web.uksw.ac.id
 - lapan.go.id

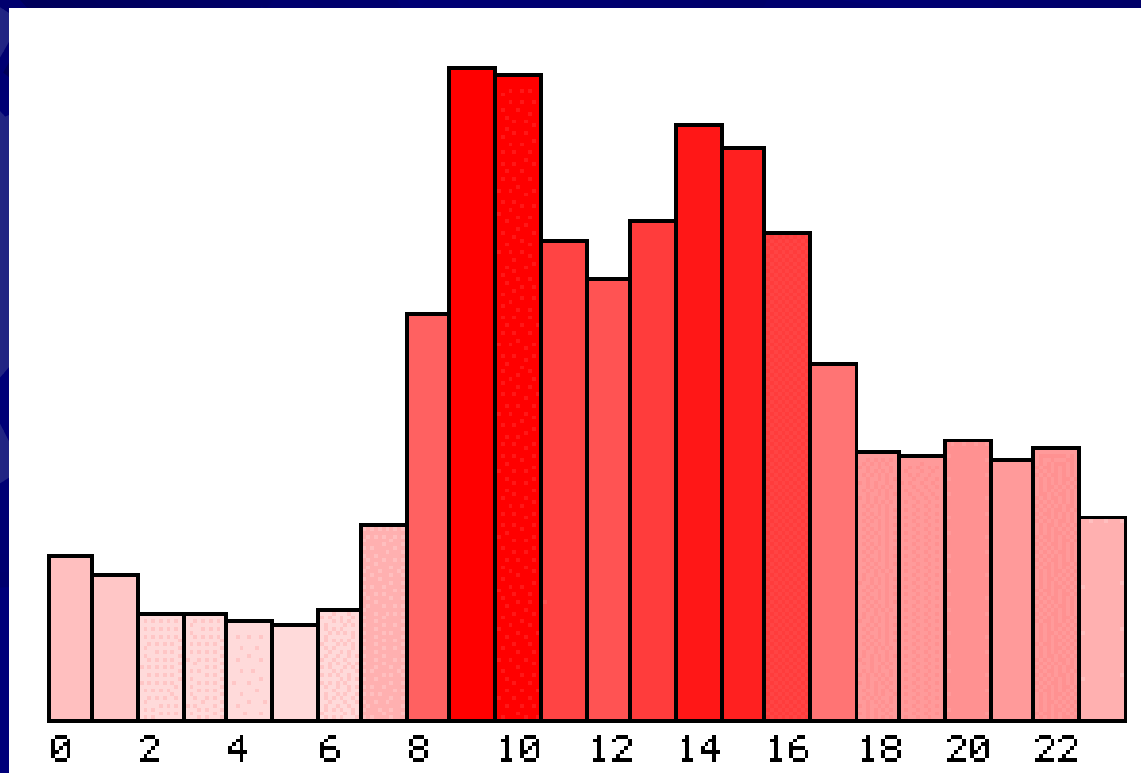
Server Statistics

☀ Most requested web site

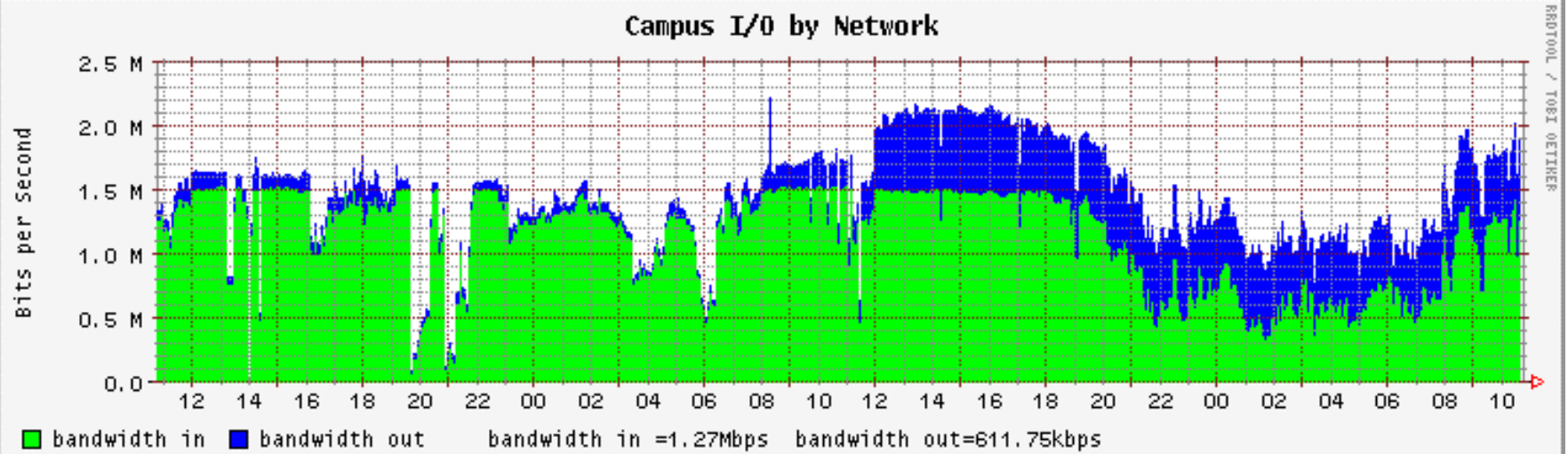
- *.yahoo.com
- *.detik.com
- *.epilot.com
- *.doubleclick.net
- *.lycos.com
- *.akamai.net
- *.yimg.com
- *.astaga.com
- *.egroups.com
- *.kompas.com

Note : All ad banner have been redirected to local web server

Typical Hourly Request



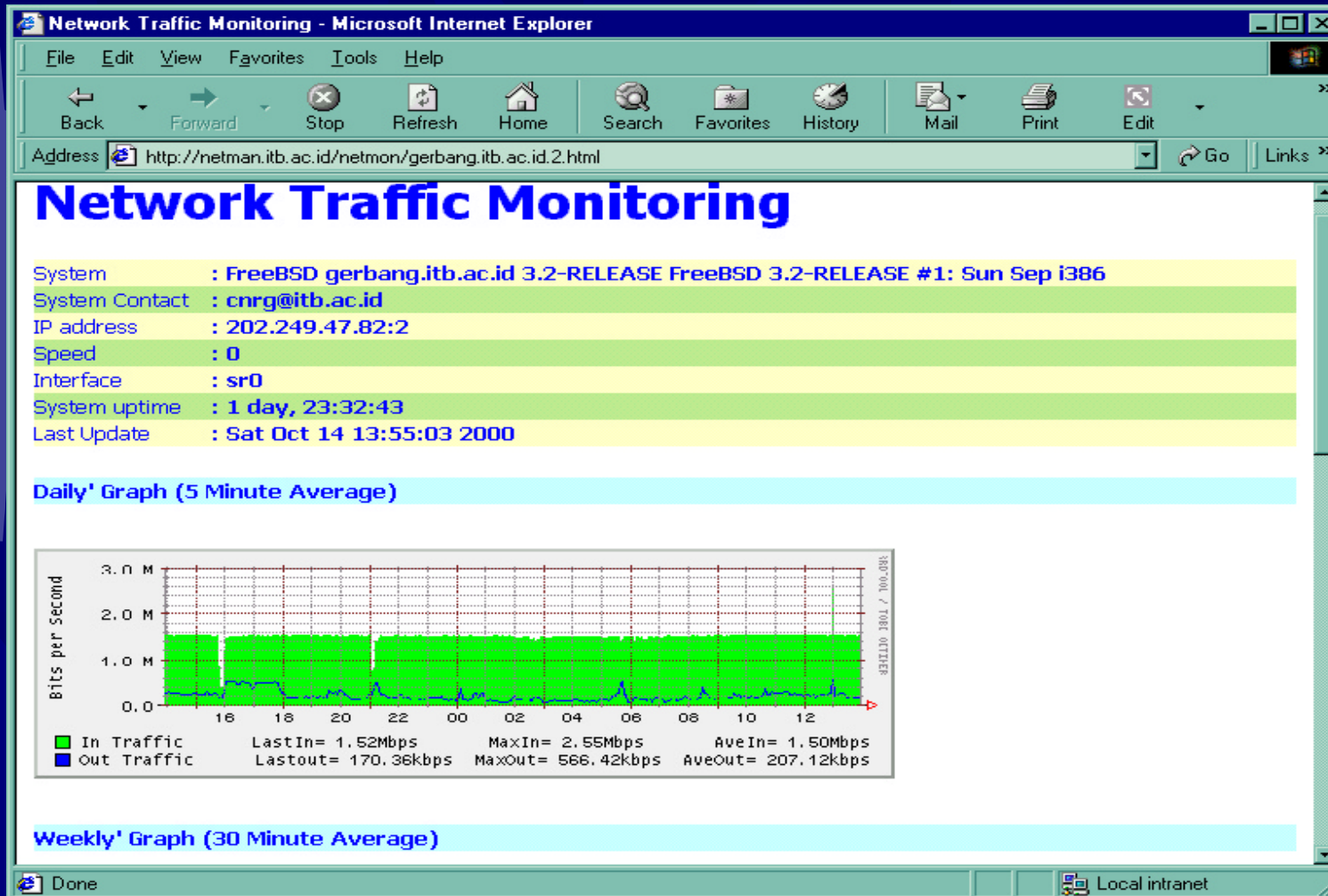
Network Traffic Monitoring



Network Traffic Monitoring

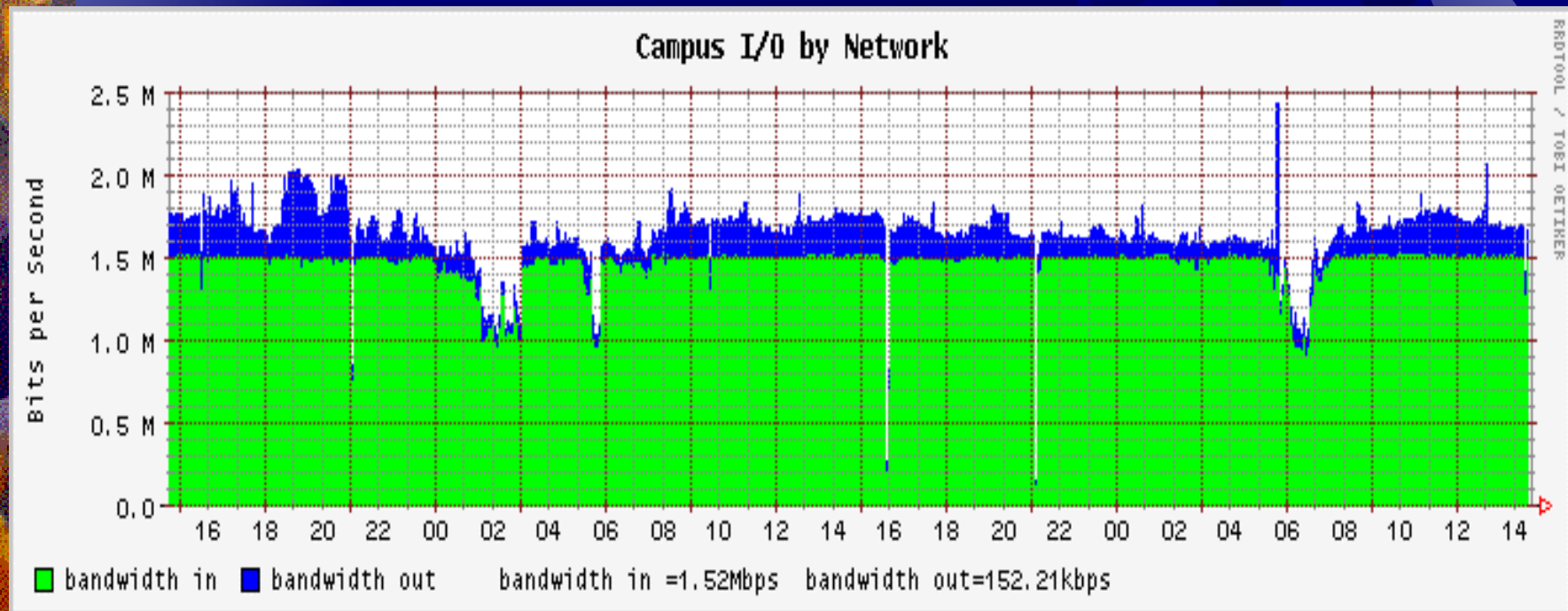
- ★ Network traffic monitoring using SNMP
 - ★ Comparison between inbound and outbound traffic
- ★ Network traffic monitoring using TCPDUMP
 - ★ Comparison between inbound and outbound traffic
 - ★ Traffic Distribution by Protocol (tcp, udp, and icmp)
 - ★ Traffic Distribution by Well Known Services (http, ftp data, irc, dns, email)
- ★ Monitoring Most Active Host/Server by total inbound/outbound and Well Known Services

Network Traffic Monitoring using SNMP



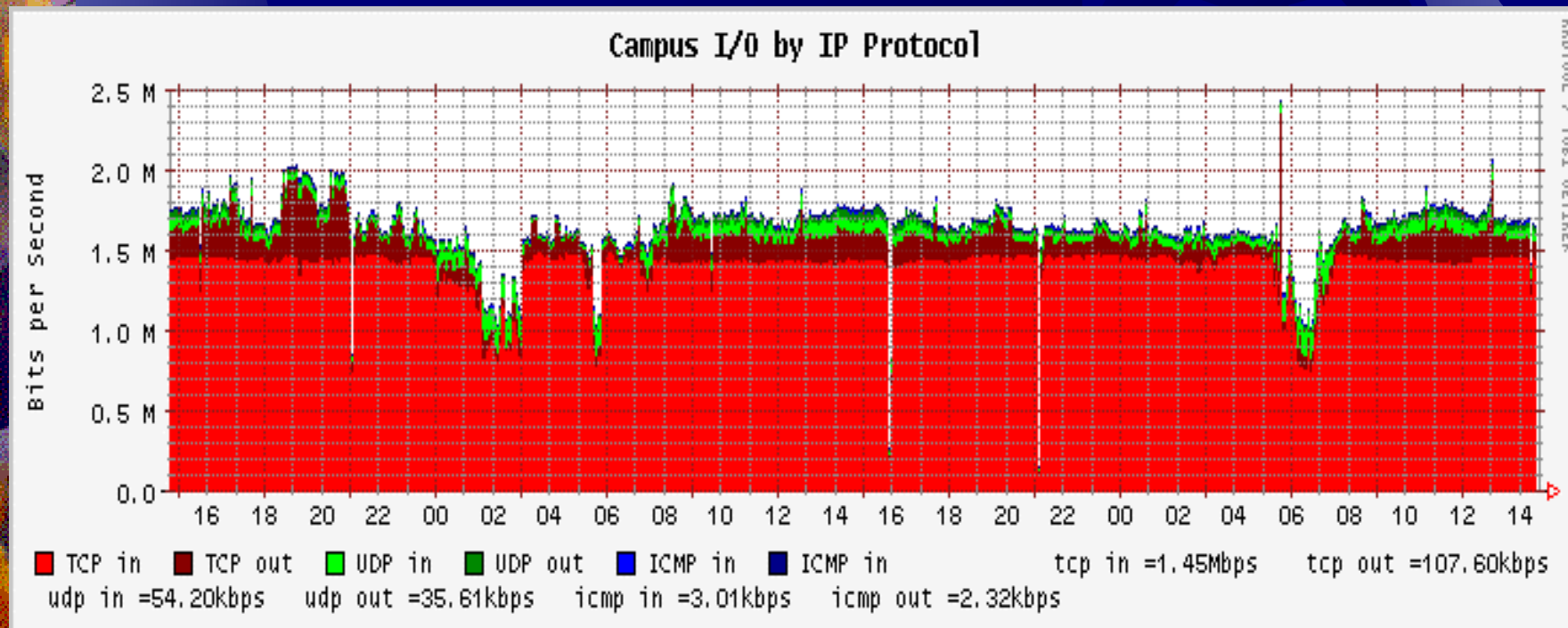
Network Traffic Monitoring using TCPdump

Comparison between inbound and outbound traffic



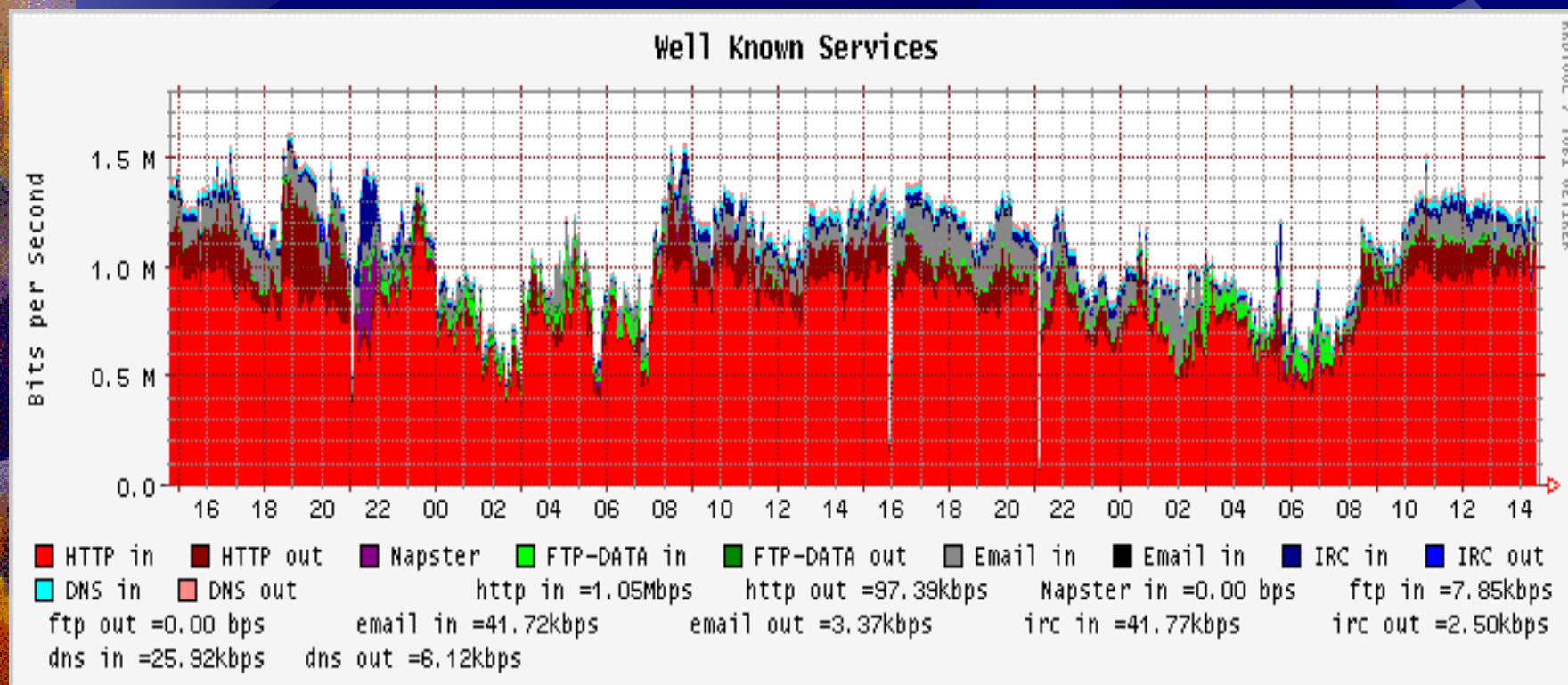
Network Traffic Monitoring using TCPdump

Traffic Distribution by Protocol



Network Traffic Monitoring using TCPdump

Traffic Distribution by Well Known Services



Monitoring Most Active host/server

http://netman.itb.ac.id/top_inbound-232.html - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address http://netman.itb.ac.id/top_inbound-232.html Go Links

No	IP source	Port Source	IP Destination	Port Destination	Total Bytes	Total packet	Protocol
1	203.141.128.84	8080	167.205.22.123	0	12745048	11128	tcp
2	141.142.121.5	3128	167.205.23.15	0	6709745	6287	tcp
3	128.182.72.190	3128	167.205.23.1	0	5703003	4764	tcp
4	204.123.7.2	3128	167.205.22.123	0	3159412	3184	tcp
5	192.203.230.19	3128	167.205.22.123	0	3078806	2722	tcp
6	128.182.72.190	3128	167.205.22.123	0	2408094	2359	tcp
7	192.172.226.145	3128	167.205.23.1	0	2255411	2100	tcp
8	192.172.226.145	3128	167.205.22.123	0	1821527	1823	tcp
9	192.203.230.19	3128	167.205.23.1	0	1211808	1232	tcp
10	140.174.105.248	80	167.205.22.123	0	1012584	673	tcp
11	204.123.7.2	3128	167.205.23.1	0	804749	981	tcp
12	192.172.226.145	3128	167.205.23.21	0	468453	406	tcp

Done Local intranet

Network Traffic Characteristics

ITB via AI3

Inbound	
Total	1.52 Mbps
TCP	1.46 Mbps
UDP	55.92 Kbps
ICMP	3.60 Kbps
http	1.01 Mbps
ftp	21.78 Kbps
Email	38.58 Kbps
DNS	21.15 Kbps
IRC	58.06 Kbps

Outbound	
Total	140.60 Kbps
TCP	105.44 Kbps
UDP	33.18 Kbps
ICMP	3.18 Kbps
http	91.48 Kbps
ftp	118.20 bps
Email	2.93 Kbps
DNS	5.21 Kbps
IRC	2.08 Kbps

Data update at 14 October, 2000 16:21

Network Traffic Characteristics ITB via TelkomNet

Inbound	
Total	206.73 kbps
TCP	202.96 Mbps
UDP	3.44 Kbps
ICMP	315 bps
http	2.02 kbps
ftp	188.25 Kbps
Email	900 bps
DNS	3.54 Kbps
IRC	9.23 Kbps

Outbound	
Total	441.68 Kbps
TCP	397 Kbps
UDP	57.32 Kbps
ICMP	4.90 Kbps
http	295.27 Kbps
ftp	5.96 kbps
Email	61.87 Kbps
DNS	38.27 Kbps
IRC	9.03 Kbps

Data update at 14 October, 2000 16:21

IPv6 Implementation

- ★ 3 Internal Routers, 2 Local Partner Routers, 2 E-mail Servers, 1 DNS Server, and several hosts.
- ★ Mostly Using KAME Stack and Linux IPv6.



Why Digital Library?

Our Philosophy:

- ✦ We must share our knowledge
- ✦ *Because: Knowledge won't be given to us except some days we will be asked about our promises to share the knowledge with other human being and never withhold it... Ali Imran 187*

DL Objectives

- ★ Library: 24hr / 7day / dari desktop
- ★ Integrated “super” information systems: 5S: streams, structures, spaces, scenarios, societies
- ★ Ubiquitous, Higher Quality, Lower Cost
- ★ Education, Knowledge Sharing, Discovery
- ★ Disintermediation → Collaboration
- ★ Interactive Courseware, Student Works
- ★ Scalable, Sustainable, Usable, Useful

Case Study: GDL

- ✦ Domain: **research and higher education**
- ✦ Genre:
 - ✦ ETD (electronic theses & dissertations)
 - ✦ Final Project, Research report, proceeding, gray lit, journal, distance learning, multimedia
- ✦ URL: <http://digital.lib.itb.ac.id>
- ✦ Project: **Ganesha Digital Library Project**

Progress...

- ★ Ganesha = Nama dewa Ilmu Pengetahuan
- ★ 1998, WAIS/ISIS, Federated search
- ★ 1999-2000, GDL version 1 and 2, not yet follow standard, member > 1000.
- ★ 2000, 1 set PC from Pak Mujaya H, 1 set PC from Pasca Sarjana ITB
- ★ 2000, ISISNetwork, GDL version 3, follow Standard Metadata Dublin Core
- ★ 2000, will be funding by IDRC, YLTI, IDLN initiatives

Version 2

The screenshot shows a Microsoft Internet Explorer browser window displaying the Ganesha Digital Library website. The browser's title bar reads "Ganesha Digital Library® | Toward the Development of a Knowledge-based Society - Microsoft In...". The address bar shows the URL "http://www.lib.itb.ac.id/~gdl/". The website header features the logo "ganesha digital library" and the tagline "managing knowledge of ITB". A navigation menu includes links for "HOME", "ITB Library", "ITB Official Web", "Feedback", "Our Team", and "Our Service". The main content area is titled "Toward the Development of a Knowledge-based Society" and includes a search box with a "search" button and a dropdown menu for "Whole databases". A "Highlight" section lists "Thesis and Dissertations" with two bullet points: "Electrical Engineering collection of thesis and dissertations. Abstract and table of content of scanned collection" and "Natural Product. Contains more than 10 titles, including abstract and toc." A right-hand sidebar contains sections for "Knowledge of ITB" (listing Thesis & Dissertations, Research Reports, Proceedings, Whitepapers-Grey Lit *, and Books Catalog), "Special collections" (listing Electronic Clipping, Salman Mosque, Links and Websites, and Multimedia), "ISISNetwork", "Ftpsearch" (with @GaneshaDL and a link to suggest an FTP site), and "Membership Information". The browser's status bar at the bottom indicates "Internet".

ganesha digital library
managing knowledge of ITB

HOME | ITB Library | ITB Official Web | Feedback | Our Team | Our Service

Toward the Development
of a Knowledge-based
Society

Find this:
 search

Whole databases
example: knowledge and management

Highlight

Thesis and Dissertations

- Electrical Engineering collection of thesis and dissertations. Abstract and table of content of scanned collection
- Natural Product. Contains more than 10 titles, including abstract and toc.

Knowledge of ITB
Thesis & Dissertations
Research Reports
Proceedings
Whitepapers-Grey Lit *
Books Catalog

Special collections
Electronic Clipping
Salman Mosque
Links and Websites
Multimedia

ISISNetwork

Ftpsearch
@GaneshaDL
- Suggest your FTP site
@ftpsearch.ITB.ac.id

Membership
Information

Status GDL version 2 (experiment)

- ✦ Final Project Abstract : 409 Thesis Abstract : 91 (PL), 14 (EL), 2 (TK)
- ✦ Research report Abstract : 1991-1999 (LP-ITB)
- ✦ Multimedia: 31 collection about digital audio/video
- ✦ Member:
 - ✦ Full member: 793
 - ✦ Trial: 81
 - ✦ Incomplete: 739

Versio n 3

Ganesha Digital Library
Institut Teknologi Bandung

Categories

- Clippings (29)
- Distance Learning (39)
- Grey Literatures (62)
- Journals (28)
- Multimedia (16)
- Proceedings (29)
- Research Reports (37)
- S1-Final Project (117)
- S2-Theses (64)
- S3-Dissertations (4)

News

Tuesday, 26/09/2000 02:01 WIB
ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional
Pikiran Rakyat, Selasa 26 September 2000 Permudah Proses Saling Berbagi Pengetahuan ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional Bandung, (PR). Institut Teknologi Bandung akan memprakarsai terbentuknya perpustakaan digital nasional y...

Monday, 25/09/2000 10:54 WIB
IDLN Newsletter no 3: Persiapan Seminar Internasional "DIGITAL LIBRARY NETWORK"

Search

Ganesearch ! [Advanced Search](#)

Highlights

- [Clippings](#)
- [Distance Learning](#)
» 27/09/2000 10:43 WIB
Real Audio Ceramah Bulan Ramadhan di Masjid Salman

Knowledge Map

- Clippings (29)
- Distance Learning (39)
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- S3-Dissertations (4)

» Ratings & Comments

User: **Ismail Fahmi**

Ganesha DL Project

- FAQ
- How to Join
- Task Force
- Workflows

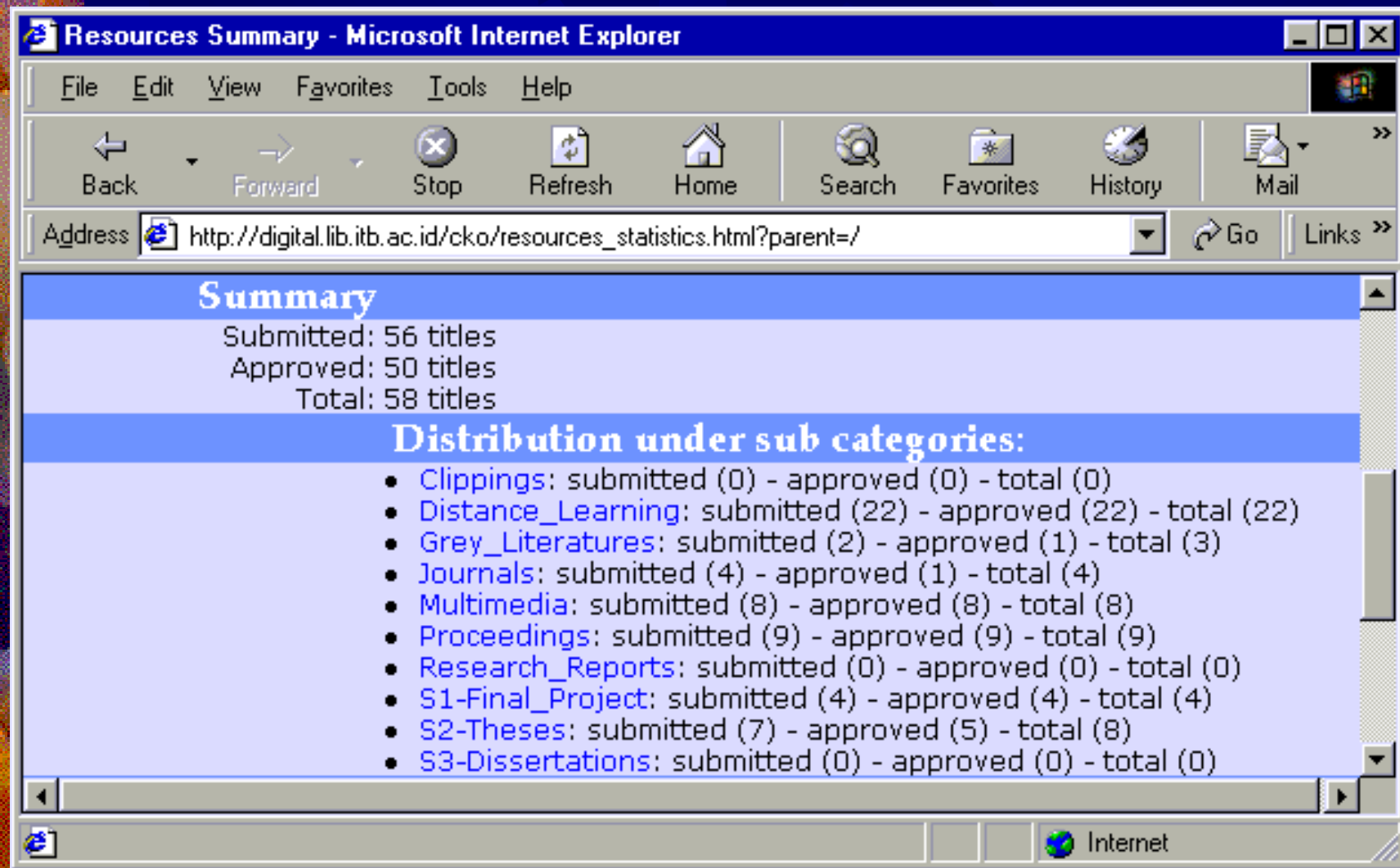
Member

- Registration
- Activation
- Login
- Logout
- Bookmark

Administrator

- Account Manager

Start-up Collections



Resources Summary - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address http://digital.lib.itb.ac.id/cko/resources_statistics.html?parent=/ Go Links

Summary

Submitted: 56 titles
Approved: 50 titles
Total: 58 titles

Distribution under sub categories:

- [Clippings](#): submitted (0) - approved (0) - total (0)
- [Distance_Learning](#): submitted (22) - approved (22) - total (22)
- [Grey_Literatures](#): submitted (2) - approved (1) - total (3)
- [Journals](#): submitted (4) - approved (1) - total (4)
- [Multimedia](#): submitted (8) - approved (8) - total (8)
- [Proceedings](#): submitted (9) - approved (9) - total (9)
- [Research_Reports](#): submitted (0) - approved (0) - total (0)
- [S1-Final_Project](#): submitted (4) - approved (4) - total (4)
- [S2-Theses](#): submitted (7) - approved (5) - total (8)
- [S3-Dissertations](#): submitted (0) - approved (0) - total (0)

Internet

S1-Final Project - Microsoft Internet Explorer

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Address http://digital.lib.itb.ac.id/S1-Final_Project/ Go Links

search
example: **salman**; **objek pascal** | [Advanced Search](#)

S1-Final Project

Home > S1-Final Project

Categories [Refresh](#) [Del](#) [Add](#) [FAQ](#)

- [Dept. of Aeronautics Eng.](#)
- [Dept. of Architecture](#)
- [Dept. of Astronomy \(4\)](#)
- [Dept. of Biology \(8\)](#)
- [Dept. of Chemical Eng.](#)
- [Dept. of Chemistry \(9\)](#)
- [Dept. of Civil Engineering \(3\)](#)
- [Dept. of Design](#)
- [Dept. of Electrical Eng.](#)
- [Dept. of Engineering Physics](#)
- [Dept. of Environmental Eng.](#)
- [Dept. of Fine Arts](#)
- [Dept. of Geodetic Engineering \(2\)](#)
- [Dept. of Geology \(10\)](#)
- [Dept. of Geophysical Eng. \(5\)](#)
- [Dept. of Industrial Eng.](#)
- [Dept. of Informatics \(9\)](#)
- [Dept. of Mathematics \(8\)](#)
- [Dept. of Mechanical Eng.](#)
- [Dept. of Mining Engineering \(10\)](#)
- [Dept. of Petroleum Eng. \(6\)](#)
- [Dept. of Pharmacy \(6\)](#)
- [Dept. of Physics \(7\)](#)
- [Dept. of Reg and City Planning](#)
- [Dept. of Sociotechnology](#)
- [Dept. of Geophys. and Met. \(4\)](#)

Titles No title under this category

Knowledge Map

- [Clippings \(29\)](#)
- [Distance Learning \(39\)](#)
- [Grey Literatures \(62\)](#)
- [Journals \(28\)](#)
- [Multimedia \(16\)](#)
- [Proceedings \(29\)](#)
- [Research Reports \(37\)](#)
- [S1-Final Project \(117\)](#)
- [S2-Theses \(64\)](#)
- [S3-Dissertations \(4\)](#)

» [Ratings & Comments](#)

User: **Ismail Fahmi**

Ganesha DL Project

- [FAQ](#)
- [How to Join](#)
- [Task Force](#)
- [Workflows](#)

Member

- [Registration](#)
- [Activation](#)
- [Login](#)

Internet

1999 - Microsoft Internet Explorer

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Address http://digital.lib.itb.ac.id/S1-Final_Project/Dept_of_Informatics/1999/ Go Links

1999

Home > S1-Final Project > Dept. of Informatics > 1999

Categories

Refresh Del Add FAQ

Titles

Edit Add

Total resources: 4 submitted, 4 approved. Displayed 10 titles per page.
Page:

- 1. Protokol Kendali VoIP/H.323 Media Gateway dan Implementasinya ...**
Description: IP Telephony atau Voice over IP (VoIP) – kemampuan untuk melakukan komunikasi suara atau hubungan telepon atas jaringan paket – memiliki keterbatasan yang menghambatnya untuk menjadi ...
English: ...
Keywords: *VoIP, H.323, gateway, protokol kendali, MG, Call-agent/MGC, voice modem*
Creator: Arif Rifai Dwiyanto ; ; 27-Sep-1999; S1-Informatics Engineering; Institut Teknologi Bandung.
Identifier: 1 file(s) of S1-Final_Project; Location: [ITB Central Library](#).
- 2. Perancangan dan Implementasi Program Pembangkit Dokumentasi Kode Sumber Obje...**
Description: Kegiatan pengembangan perangkat lunak tidak semata-mata meliputi kegiatan perancangan atau pemrograman, tetapi juga meliputi aspek-aspek lain yang sifatnya di luar kaitan dengan pemrograman. Salah sat...
English: ...
Keywords: Dokumentasi, Objek Pascal, Hiperteks, Analisis Sintaks Parsial
Creator: Azrul Azwar ; ; 27-Sep-1999; S1-Informatics Engineering; Institut Teknologi Bandung.
Identifier: 1 file(s) of S1-Final_Project; Location: [ITB Central Library](#).
- 3. Sistem Pendukung Keputusan untuk Manajemen Investasi...**
Description: ABSTRAK Sistem Pendukung Keputusan untuk Manajemen Investasi Oleh : Noor Haryono NIM 13593042 Jurusan Teknik Informatika Fakultas Teknologi Industri Institut Teknologi Bandung Februari 19...
English: ...
Keywords: Investasi, sekuritas, portofolio, reksadana, regresi linier, permukaan efisien, nilai aktiva bersih.
Creator: Noor Haryono NIM 135930; 31-Jan-1999; S1-Informatics Engineering; Institut Teknologi

- Journals (28)
- Multimedia (16)
- Proceedings (29)
- Research Reports (37)
- S1-Final Project (117)
- S2-Theses (64)
- S3-Dissertations (4)

» Ratings & Comments

User: **Ismail Fahmi**

Ganesha DL Project

- FAQ
- How to Join
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- Login
- Logout
- Bookmark

Administrator

- Account Manager
- Editors Manager
- Ad Manager

Superuser

- Add Root Category
- Delete Root Category

Knowledge Officer

- Resources Summary
- Highlight Me!
- Edit Highlight

Local intranet

Arif Rifai Dwiyanto + 27-Sep-1999 + S1-Informatics Engineering + Protokol Kendali VoIP/H.323 Med - Mi...

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Address http://digital.lib.itb.ac.id/S1-Final_Project/Dept_of_Informatics/1999/itb-s1-if-1999-Arif-voip.htm

GaneshaDigitalLibrary News | Highlights | Search | Favorites | How to Join | Give Ratings & Comments | Add Bookmark

Home > S1-Final Project > Dept. of Informatics > 1999

Description Download/Play Files

Title in Native: Protokol Kendali VoIP/H.323 Media Gateway dan Implementasi Fisik Media Gateway (MG) dan Call-Agent

Title in English: VoIP/H.323 Media Gateway Control Protocol and Physical Media Gateway (MG) Implementation and Call-Agent

Creator: Arif Rifai Dwiyanto

Keywords: VoIP, H.323, gateway, protokol kendali, MG, Call-agent

Category: Home > S1-Final Project > Dept. of Informatics

Abstract in Native: IP Telephony atau Voice over IP (VoIP) – kembangkan komunikasi suara atau hubungan jaringan paket – memiliki keterbatasan yang menjadi salah satu layanan utama di jaringan. Kendala terbesar adalah kurangnya konektivitas VoIP dengan Public Switched Telephone Network. Mendorong dikembangkan gateway untuk jaringan tersebut. Berbagai protokol kendali terdapat pada masing-masing vendor gateway, sehingga diperlukan standar untuk interoperabilitas. Protokol standar VoIP – H.323 – mencantumkan salah satu komponennya tetapi tidak mendefinisikan kendali terhadap gateway tersebut. Dalam tugas ini dirancang dan diimplementasikan sebuah protokol kendali media gateway. Metodologi perancangan yang digunakan adalah dengan mempelajari berbagai protokol yang telah diimplementasikan terutama dalam pemodelan gateway dan koneksi perintah-perintah kendali, fasilitas dan kemampuan yang harus disediakan gateway, serta studi kasus.

Protokol yang telah dirancang, diujicobakan dengan melakukan implementasi fisik media gateway (MG) dan call-agent media gateway controller (MGC). Call-agent akan mengendalikan MG dengan menggunakan protokol yang telah dirancang tersebut. Pengujian dilakukan dengan melakukan panggilan dengan beberapa skenario yang telah ditentukan sebelumnya. Untuk implementasi digunakan voice modem sebagai penghubung ke PSTN.

Protokol yang telah dirancang, diujicobakan dengan melakukan implementasi fisik media gateway (MG) dan call-agent media gateway controller (MGC). Call-agent akan mengendalikan MG dengan menggunakan protokol yang telah dirancang tersebut. Pengujian dilakukan dengan melakukan panggilan dengan beberapa skenario yang telah ditentukan sebelumnya. Untuk implementasi digunakan voice modem sebagai penghubung ke PSTN.

Number of Files: 1 file(s). **Identifier:** itb-s1-if-1999-Arif-voip

Download/Play Files:
 (to download: Right-Click and Save As
 to play: just click it)

itb-s1-if-1999-Arif-voip-okpart1.pdf (385833 bytes)

Local intranet

Interactive & Feedback: Rating & Comments

mempelajari berbagai protokol yang telah diusulkan sebelumnya, terutama dalam pemodelan gateway dan koneksi, fungsi dan perintah-perintah kendali, fasilitas dan kemampuan yang harus disediakan gateway, serta studi kasus.

Protokol yang telah dirancang, diujicobakan dengan melakukan implementasi fisik media gateway (MG) dan call-agent/media gateway controller (MGC). Call-agent akan mengendalikan MG dengan menggunakan protokol yang telah dirancang tersebut. Pengujian dilakukan dengan melakukan panggilan dengan beberapa skenario yang telah ditentukan sebelumnya. Untuk implementasi digunakan voice modem sebagai penghubung ke PSTN.

Abstract in English:

Publisher Institution: Institut Teknologi Bandung

Publisher Library: ITB Central Library

Publisher Server: digi.lib.itb.ac.id

Creator's Organization: S1-Informatics Engineering

Contributor: Supervisor:
Ir. Agustinah Saptajuwita, M.Sc
Bambang P. Ismagil, M.Sc

Resource Owner: Arif Rifai Dwiyanto (ard@netmon.itb.ac.id)

Date Issued: 27-Sep-1999

Date Uploaded: 27-Sep-2000

Resource Type: S1-Final_Project

Sources:

Relation: VoIP

Language: Bahasa Indonesia

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Address http://digital.lib.itb.ac.id/account/comment_add.html?parent=/S1-Final_Project/Dept_of_Infor Go Links

GaneshaDigitalLibrary News | Highlights | Search | FAQ | How to Join | Ratings & Comments | Show Bookmark

Add Comments

Resource Identifier: itb-s1-if-1999-Arif-voip
Category: Home > S1-Final Project > Dept. of Informatics > 1999
From: Ismail Fahmi (ismail@netmon.itb.ac.id)
Comment Title: Koleksi pertama TA S1 di Ganesha Digital Library
Rating: [Low] [High]
Comment: Ini adalah koleksi pertama full text TA S1 yang diupload ke server GDL. Topiknya cukup menarik, dan uptodate tentang VOIP. Dapat dilanjutkan dengan riset lain.

Read Comment - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address http://digital.lib.itb.ac.id/account/comment_read.html?id=1&parent=/S1-Final_Project/Dept_of_Infor

GaneshaDigitalLibrary News | Highlights | Search | FAQ | How to Join | Ratings & Comments | Show Bookmark

Read Comments

Resource Title: Protokol Kendali VoIP/H.323 Media Gateway dan Implementasinya
Identifier: itb-s1-if-1999-Arif-voip
Category: Home > S1-Final Project > Dept. of Informatics > 1999
From: Ismail Fahmi, ismail@netmon.itb.ac.id
Date: Sunday 01-Oct-2000 05:30:25 PM
Rating: 5
Comment Title: Koleksi pertama TA S1 di Ganesha Digital Library
Comment: Ini adalah koleksi pertama full text TA S1 yang diupload ke server GDL. Topiknya cukup menarik, dan uptodate tentang VOIP. Dapat dilanjutkan dengan riset lain.

HOME | IDLN | ITB Official Web | About Us | FAQ

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Read and Add Comments - Microsoft Internet Explorer

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Address http://digital.lib.itb.ac.id/account/comment.html?parent=/S1-Final_Project/Dept_of_Informat Go Links

GaneshaDigitalLibrary News | Highlights | Search | FAQ | How to Join | Ratings & Comments | Show Bookmark

Ratings and Comments

Current category: Home > S1-Final Project > Dept. of Informatics > 1999

No Title

- 1 Protokol Kendali VoIP/H.323 Media Gateway dan Implementasinya
Identifier: itb-s1-if-1999-Arif-voip
Rating: ★★★★★
Comments:
 - Add
 - [Koleksi pertama TA S1 di Ganesha Digital Library](#) (Ismail Fahmi, ismail@netmon.itb.ac.id, Sun 01-Oct-2000)
- 2 Perancangan dan Implementasi Program Pembangkit Dokumentasi Kode Sumber Objek Pascal ke dalam Bentuk Hypertext
Identifier: itb-s1-if-1999-Azrul-html
Rating:
Comments:
 - Add
- 3 Sistem Pendukung Keputusan untuk Manajemen Investasi
Identifier: itb-s1-if-1999-Noor-dss
Rating:

http://digital.lib.itb.ac.id/account/comment_read.html?id=1&parent=/S1-Final_Projec Internet

Search

Search Ganesha Digital Library - Microsoft Internet Explorer - [Working Offline]

File Edit View Favorites Tools Help

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Address <http://digital.lib.itb.ac.id/search/index.html?dbcategory%5B%5D=all&f=DC.Description&q=salman> Go Links

Advanced Search

Select databases:

<input type="checkbox"/> Clippings	<input type="checkbox"/> Proceedings
<input type="checkbox"/> Distance Learning	<input type="checkbox"/> Research Reports
<input type="checkbox"/> Grey Literatures	<input type="checkbox"/> S1-Final Project
<input type="checkbox"/> Journals	<input type="checkbox"/> S2-Theses
<input type="checkbox"/> Multimedia	<input type="checkbox"/> S3-Dissertations

Whole databases

Search:

Abstract - Quick Search

- Whole Document
- Title
- Author
- Keywords
- Category
- Abstract
- Year Issued

1. [Khotbah Nabi Musa](#)
By: Maman Sulaeman Ust. Drs., ; Date: 00-Dec-1999
Collection: Distance Learning; **Source:** [Salman Mosque](#)
URL: [Home > Distance_Learning > Religion > Salman_Mosque > Khutbah_Jumat > itb-dist-salma-1999-Maman-musa.htm](#)
(score: 1000 - size 10820 bytes)

2. [Generasi Ideal Umat Islam](#)
By: Aam Amiruddin Ust., Lc. ; Date: 00-Aug-1999
Collection: Distance Learning; **Source:** [Masjid Salman ITB](#)
URL: [Home > Distance_Learning > Religion > Salman_Mosque > Khutbah_Jumat > itb-dist-salman-1999-Aam-ideal.htm](#)
(score: 1000 - size 11169 bytes)

Knowledge Map

- Clippings (29)
- Distance Learning (39)
- Grey Literatures (62)
- Journals (26)
- Multimedia (16)
- Proceedings (20)
- Research Reports (37)
- S1-Final Project (108)
- S2-Theses (64)
- S3-Dissertations (4)

» Ratings & Comments

User: **Ismail Fahmi**

Ganesha DL Project

- FAQ
- How to Join
- Task Force
- Workflows

Member

- Registration
- Activation
- Login
- Logout
- Bookmark

Administrator

- Account Manager
- Editors Manager
- Ad Manager

Superuser

- Add Root Category
- Delete Root Category

Local intranet

Multimedia

The screenshot shows a web browser window with the address bar containing http://digital.lib.itb.ac.id/Distance_Learning/. The page content includes the following metadata:

- Abstract in English:** 17/8
- Publisher Institution:** Institut Tekno
- Publisher Library:** ITB Central Lib
- Publisher Server:** digi.lib.itb.ac.id
- Creator's Organization:** Masjid Salman
- Contributor:** Digitized by Ir
- Resource Owner:** Revi Kuswara
- Date Issued:** 00-Dec-1999
- Date Uploaded:** 28-Sep-2000
- Resource Type:** Distance_Lear
- Sources:** Khutbah Juma
- Relation:**
- Language:** Bahasa Indon
- Copyright:** Copyright © 2000, 40132, Indone article is perm provided this

At the bottom of the page, the following information is displayed:

- Number of Files:** 1 file(s). Identifier: [itb-dist-salman-1999-Maman-musa-part1.rm](#)
- Download/Play Files:** (to download: Right-Click and Save As... to play: just click it) [itb-dist-salman-1999-Maman-musa-part1.rm](#) (2779340 bytes)

Overlaid on the browser is a RealPlayer Plus window titled "RealPlayer Plus: Nabi Musa". The window shows a "Channels" list with options like "ADD NEW CHANNELS", "Subscribe To Free Channels", "CNN.com", "COMEDY CENTRAL", and "ABCNEWS.com". The main video area displays the RealPlayer logo. The status bar at the bottom of the RealPlayer window shows "16.0 Kbps" and a time of "00:14.8/22:09.5".

Berita/News

News Index - Ganesha Digital Library - Microsoft Internet Explorer

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Address <http://digital.lib.itb.ac.id/gdl/readnews.html> Go Links

Home | Clippings | Distance Learning | Grey Literatures | Journals | Multimedia | Proceedings | Research Reports | S1-Final Project | S2-Theses | S3-Dissertations

Index News

- ▶ 09/26/2000 02:01 WIB
[ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional](#)
- ▶ 09/25/2000 10:54 WIB
[IDLN Newsletter no 3: Persiapan Seminar Internasional "DIGITAL LIBRARY NETWORK"](#)
- ▶ 09/25/2000 10:53 WIB
[Akselerator IDLN pasok software pustaka digital gratis](#)
- ▶ 09/25/2000 10:52 WIB
[Perpustakaan ITB & KMRG Gagasan Indonesian Digital Library Network](#)
- ▶ 09/25/2000 07:57 WIB
[KMRG ITB buat jaringan perpustakaan](#)

Today: Sunday, 10/01/2000 05:58 WIB

Tuesday, 26/09/2000 02:01 WIB

[ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional](#)

Pikiran Rakyat, Selasa 26 September 2000 Permudah Proses Saling Berbagi Pengetahuan ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional Bandung, (PR). Institut Teknologi Bandung akan memprakarsai terbentuknya perpustakaan digital nasional y...

Monday, 25/09/2000 10:54 WIB

[IDLN Newsletter no 3: Persiapan Seminar Internasional "DIGITAL LIBRARY NETWORK"](#)

Daftar Isi: 1. Persiapan Seminar Internasional "DIGITAL LIBRARY NETWORK" 2. Perubahan Jadwal Acara Seminar 3. Peserta Seminar Internasional 4. Meeting "INDONESIA DIGITAL LIBRARY NETWORK" 5. Minat Industri terhadap pengembangan IDLN 1. P...

Monday, 25/09/2000 10:53 WIB

[Akselerator IDLN pasok software pustaka digital gratis](#)

Iptek dan Multimedia Edisi : 20-SEP-2000 JAKARTA (Bisnis): Indonesian Digital Library Network (IDLN) memberikan software perpustakaan digital (digital library) secara cuma-cuma kepada lembaga pendidikan dan lembaga riset yang menjadi mitranya. ID...

Monday, 25/09/2000 10:52 WIB

[Perpustakaan ITB & KMRG Gagasan Indonesian Digital Library Network](#)

detikcom Kamis, 14/09/2000- Jakarta, Perpustakaan Pusat Institut Teknologi Bandung (ITB) dan Knowledge Management Research Group (KMRG) ITB mengajak perputakaan-perpustakaan di Indonesia untuk membangun sebuah Jaringan Perpustakaan Digital di Indones...

Internet

ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address <http://digital.lib.itb.ac.id/gdl/readnews.html?id=5> Go Links

Home | Clippings | Distance Learning | Grey Literatures | Journals | Multimedia | Proceedings | Research Reports | S1-Final Project | S2-Theses | S3-Dissertations

Index News

- ▶ 09/26/2000 02:01 WIB
ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional
- ▶ 09/25/2000 10:54 WIB
IDLN Newsletter no 3: Persiapan Seminar Internasional "DIGITAL LIBRARY NETWORK"
- ▶ 09/25/2000 10:53 WIB
Akselerator IDLN pasok software pustaka digital gratis
- ▶ 09/25/2000 10:52 WIB
Perpustakaan ITB & KMRG Gagasan Indonesian Digital Library Network
- ▶ 09/25/2000 07:57 WIB
KMRG ITB buat jaringan perpustakaan digital

ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional

Tuesday, 09/26/2000 02:01 WIB

Pikiran Rakyat, Selasa 26 September 2000
Permudah Proses Saling Berbagi Pengetahuan
ITB Prakarsai Terbentuknya Perpustakaan Digital Nasional

Bandung, (PR). Institut Teknologi Bandung akan memprakarsai terbentuknya perpustakaan digital nasional yang diberi nama The Indonesian Digital Library Network (IDLN). Hal tersebut terungkap dalam keterangan Kepala UPT Perpustakaan ITB, Dr. Ir. Robert Manurung, M. Eng., kepada wartawan, Senin (25/9).

Menurutnya, pembentukan IDLN ini merupakan kerjasama dari berbagai lembaga yang bernaung dibawah lingkungan ITB, seperti Computer Network Research Group (CNRG), Knowledge Management Research Group (KMRG), dan Perpustakaan ITB.

IDLN bertujuan mempermudah proses saling berbagi pengetahuan antara lembaga pendidikan dan lembaga penelitian di Indonesia, sehingga dapat mengakses sejumlah karya tulis semacam tugas akhir, tesis, laporan penelitian, atau pun artikel-artikel para pakar.

Ketua KMRG ITB, Ir. Ismail Fahmi, menjelaskan, IDLN diharapkan dapat memberi sumber informasi dalam bentuk teks, audio, maupun video. "Teknologi video itu dapat pula dikembangkan untuk distance learning (belajar jarak jauh).

Lebih lanjut Ismail menjelaskan, proses akses terhadap IDLN ini dapat ditempuh

Internet

Status GDL version 3

☀ Collection:

- **Clippings:** submitted (0) - approved (0) - total (0)
- **Distance_Learning:** submitted (22) - approved (22) - total (22)
- **Grey_Literatures:** submitted (2) - approved (1) - total (3)
- **Journals:** submitted (4) - approved (1) - total (4)
- **Multimedia:** submitted (8) - approved (8) - total (8)
- **Proceedings:** submitted (9) - approved (9) - total (9)
- **Research_Reports:** submitted (0) - approved (0) - total (0)
- **S1-Final_Project:** submitted (4) - approved (4) - total (4)
- **S2-Theses:** submitted (7) - approved (5) - total (8)
- **S3-Dissertations:** submitted (0) - approved (0) - total (0)

☀ Members:

- **Members Database GDL version 2 will be automatically added with some adding information.**

GDL version 3 Features

- ✦ **Dublin Core metadata standard compliant**
- ✦ **Membership**
- ✦ **Submission workflow**
- ✦ **Author and Editor facilities**
- ✦ **Resources management**
- ✦ **Review and approval**
- ✦ **Rating and Comments**
- ✦ **Bookmarking**
- ✦ **Ordering**
- ✦ **News**
- ✦ **Highlight**
- ✦ **Browse by subject**
- ✦ **Search by fields**
- ✦ **Support any resources format (text, audio, video, images...)**

GDL System

- ☀ Knowledge Map/Genre:

- **Final Project, Thesis, Dissertations, Research report**
- **Local Journal, Grey Literature, Distance Learning, Multimedia (audio/video), Clipping, and Proceeding**
- **Directory of expertise**

- ☀ Access Types:

- **Guest: search, browse and abstract.**
- **Member: free, fully access, and can become Author or Editor.**

- ☀ Access Group:

- **Author**
- **Editor**
- **Knowledge Officer**
- **Operator**
- **Services**
- **Administrator**

