



BDIX Updates

IX-SIG
February, 2005

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Few words on ISPs

- ⇒ No Fiber optic backbone yet.
- ⇒ ISPs are using VSAT to peer with Internet.
- ⇒ Most of the up streams are in HK, SG or USA.
- ⇒ Total bandwidth of each ISP varies from 3MBPS to 10MBPS.
- ⇒ 64 ISPs are providing Service at present.

BDIX

- ⇒ BDIX has started in August 26, 2004.
- ⇒ As of now 11 ISPs are peering at BDIX.
- ⇒ Other ISPs are on the process of connection.

CONNECTED ISPs till today

ISP	Date	Mode	Speed
SDNP	27/08/2004	UTP	10 MBPS
BDCOM	27/08/2004	UTP	10 MBPS
ISN	04/09/2004	DSL	1 MBPS
BOL	06/09/2004	DSL	2 MBPS
LINK3	27/09/2004	Radio	10 MBPS
AccessTel	04/11/2004	DSL	2 MPBS
Daffodil	28/11/2004	DSL	2 MBPS
Aftab IT	28/11/2004	Radio	10 MBPS
Rangs IT	28/11/2004	Radio	5 MBPS
Bijoy Online	29/11/2004	Radio	2 MBPS
Proshika net	17/02/2005	DSL	2 MBPS

New ISPs and Organizations Joining BDIX

Expected to be connected within March 2005

- ⇒ BRAC BDMAIL
- ⇒ ECTOO Limited
- ⇒ AKIJ Online

And

University of DHAKA

BDIX Updates

- ⇒ BDIX Peering Policy has been drafted.
- ⇒ Two Router servers have been configured.
- ⇒ BDIX Looking Glass server is up and running.
and now visible from <http://lg.pch.net>.

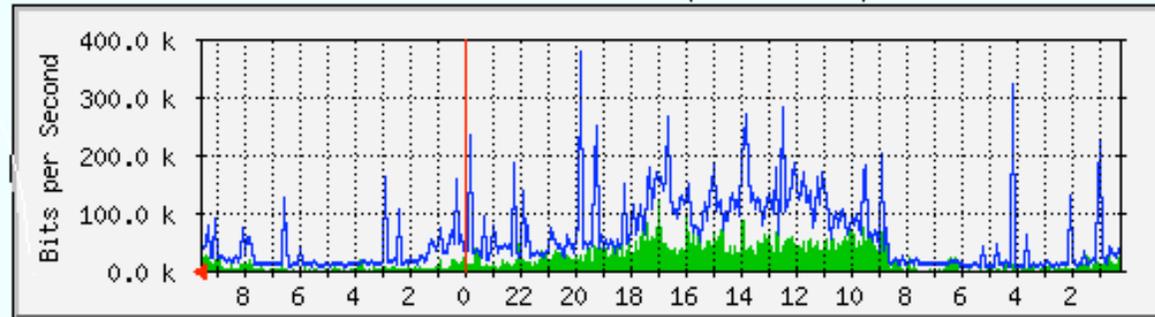
This has been done with the help of Dr. Philip Smith from Cisco and Mr. Gaurab Raj Upadhaya from PCH in November 2004.

Peering with BSIX

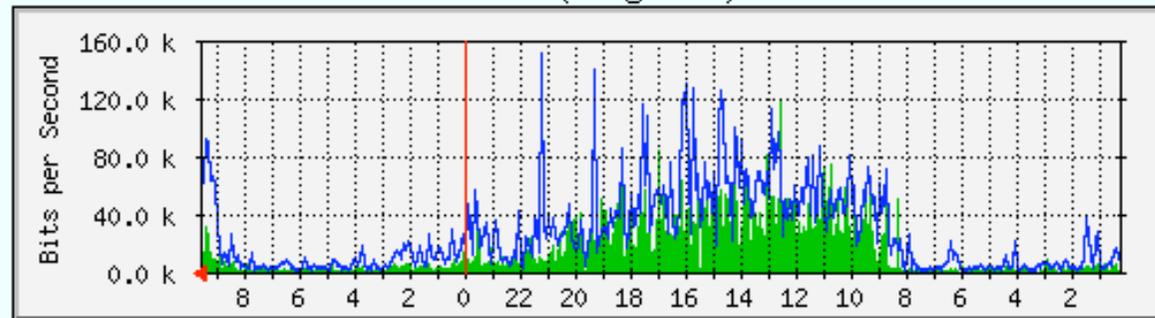
- ⇒ Apart from BDIX, BSIX another private initiative IX point is operational
- ⇒ At present 3 ISPs are peering there
- ⇒ BDIX and BSIX will start peering within next 2 weeks.
- ⇒ It's a layer 2 peering and will share same route server of BDIX and will maintain same peering policy with BDIX.
- ⇒ Virtually will work as a single IX though management is different.

Present traffic

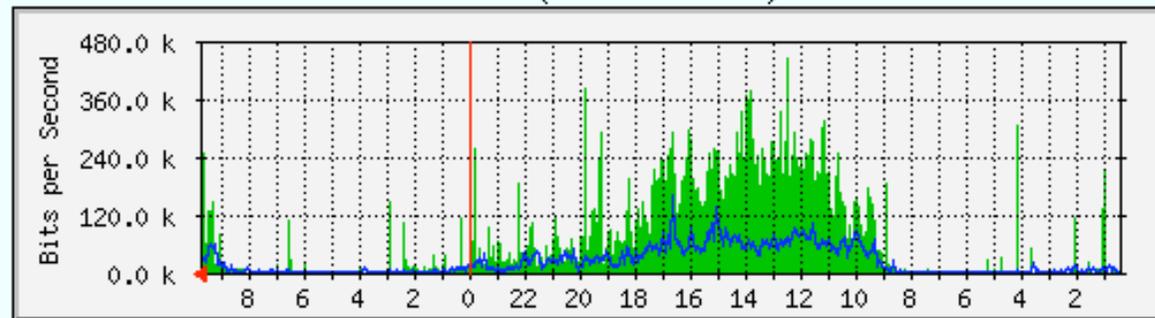
18. BDCOM Online Ltd.(bdcom.com)

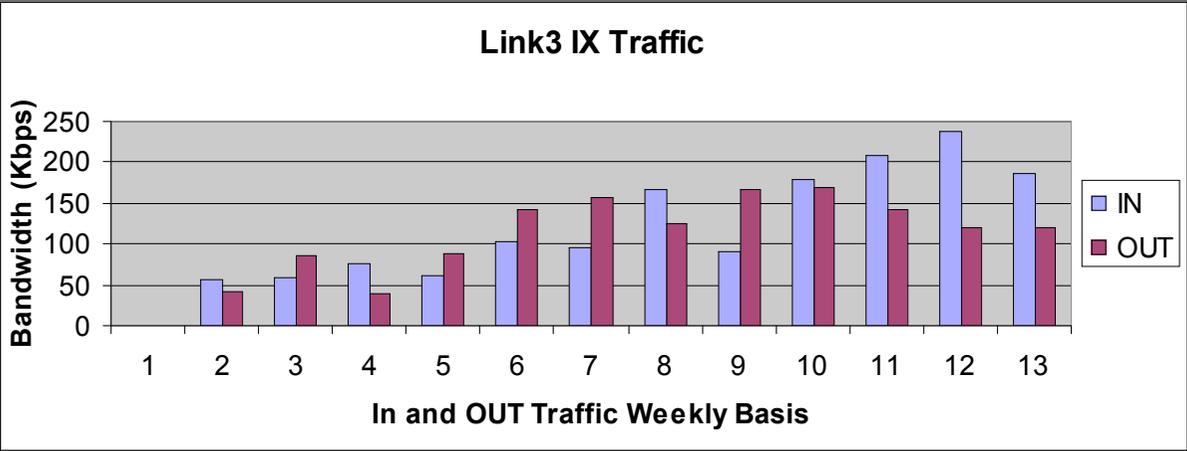


19 ISN (bangla.net)

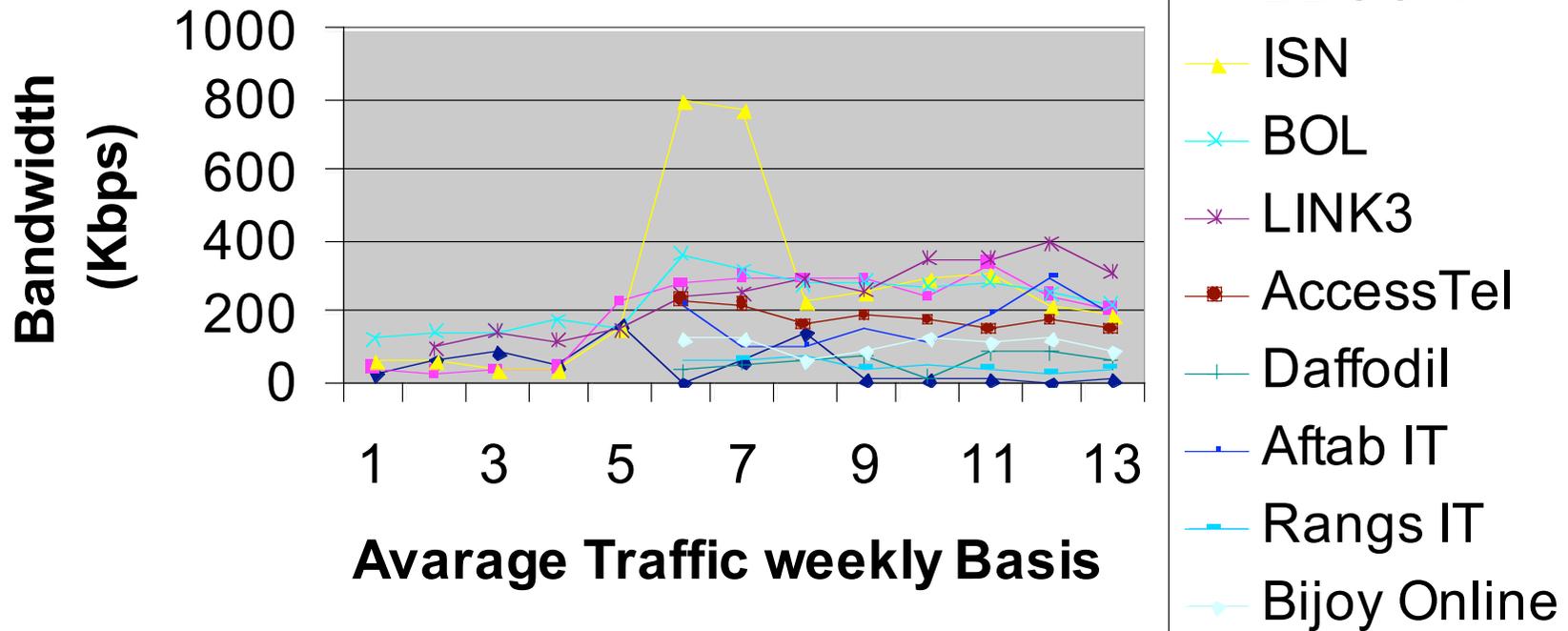


20. BOL (bol-online.com)





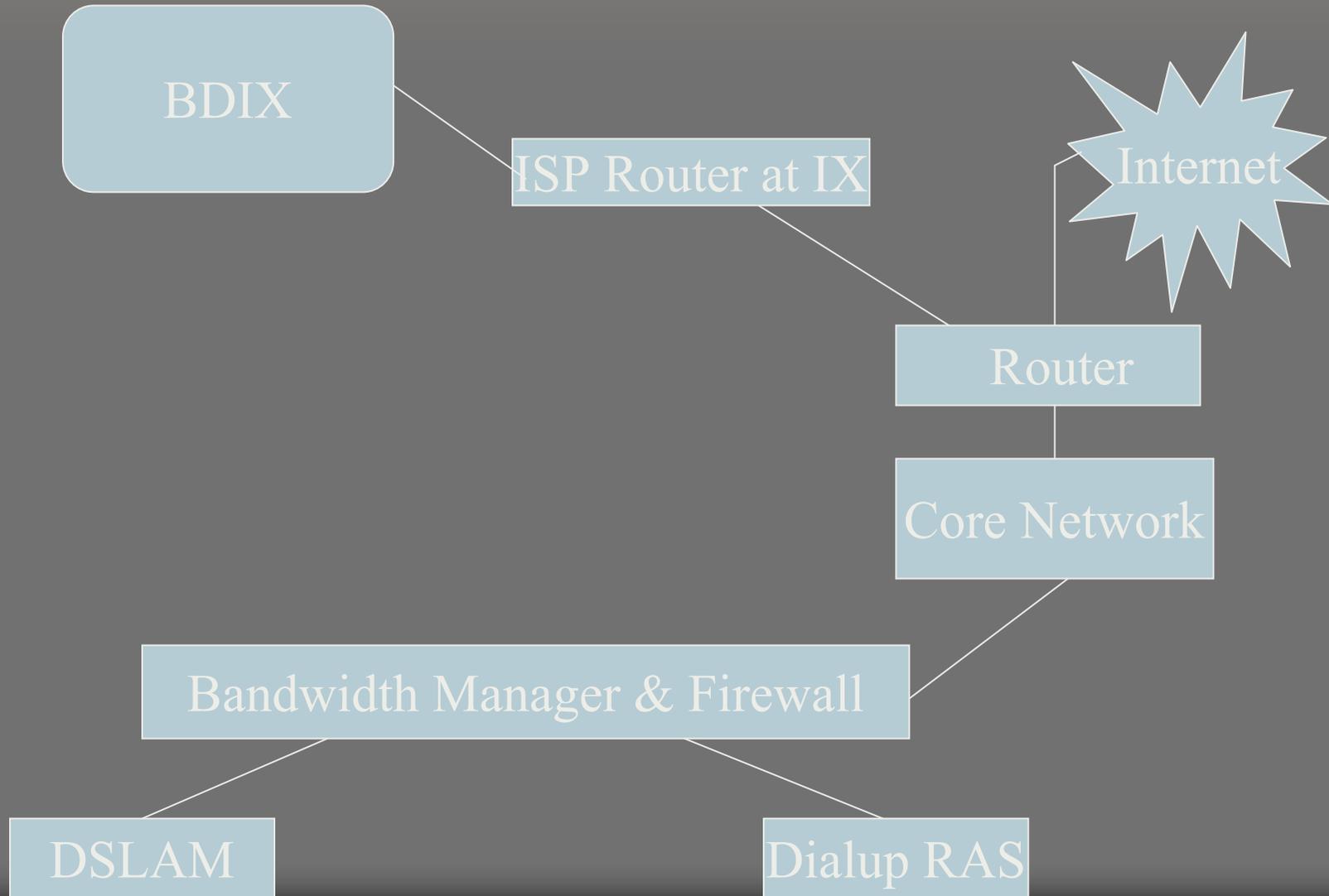
Total Comparison Graph (10 ISP's)



Net Flow Output

⇒ Protocol	Total	Flows	Packets	Bytes	Packets	Active(Sec)	Idle(Sec)
⇒ -----	Flows	/Sec	/Flow	/Pkt	/Sec	/Flow	/Flow
⇒ TCP-Telnet	1294	0.0	27	61	0.1	5.8	14.0
⇒ TCP-FTP	3742	0.0	61	48	0.7	3.2	14.2
⇒ TCP-FTPD	1	0.0	22	44	0.0	0.0	15.9
⇒ TCP-WWW	285617	0.9	8	291	8.8	2.2	4.1
⇒ TCP-SMTP	140780	0.4	14	322	7.2	4.7	4.8
⇒ TCP-X	1080	0.0	21	40	0.0	0.2	15.5
⇒ TCP-BGP	50492	0.1	1	49	0.2	2.6	15.3
⇒ TCP-other	463219	1.6	13	106	21.3	1.8	7.7
⇒ UDP-DNS	136111	0.4	20	73	9.7	3.2	15.4
⇒ UDP-NTP	20	0.0	1	76	0.0	0.0	15.3
⇒ UDP-other	188845	0.6	4	468	3.1	10.8	15.4
⇒ ICMP	41337	0.1	25	67	3.6	4.2	15.4
⇒ Total:	1312538	4.5	12	175	55.3	3.7	9.1

Observations



Observations

Traffic volume is not that much as we expected.

Main reason is most of the local content provider hosts there WEB Content abroad.

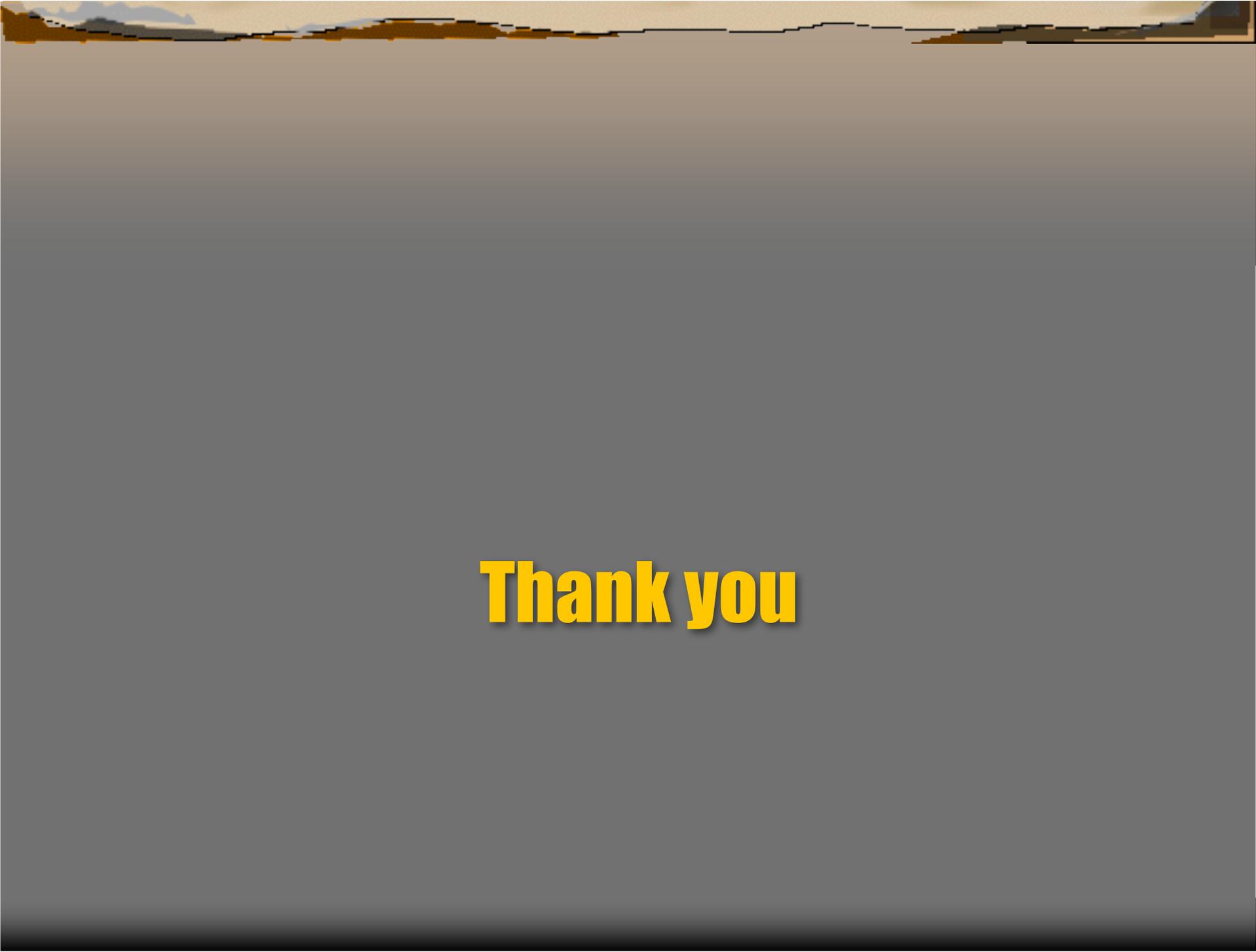
More Local content to be developed.

So far mostly email traffics are being interchanged.

But at least we are getting some sweet feedback that local sites are not really slow!!

What we are trying next....

- ⇒ ISPs are now trying to get Mirrors for popular websites.
- ⇒ Already Debian Linux Source Mirror is there.
- ⇒ We hope to see AKAMI service through BDIX soon.
- ⇒ We are trying to get Root Server Mirror at BDIX.
- ⇒ Also Negotiating to get a Secondary DNS for .BD



Thank you