

DANTE NameFLOW-Paradise Directory Service

Deliverable M1 Monthly Report January 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during January, with no significant outages.

The following operational activities are noted:

- The presentationAddress of the FLDSA Chinchilla (CH/LI) was changed at the request of the manager. Due to hardware problems on the host machine, it was impossible for this change to occur using the normal spot-shadowing procedure.
- The Internet Draft on storing URLs/URIs in the Directory became RFC 2079 this month. This was announced to FLDSA managers for their information.
- The possibility of mirroring relevant files from the EMA's FTP server was investigated, in particular Challenge-97. A decision is awaited from DANTE to progress this.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

There were no significant outages this month.

3. ISSUES

EuropaNET/X.25, the trans-European academic X.25 network, will be discontinued at the end of March. This has been agreed between DANTE, DFN, SURFnet, and UKERNA. This should have no impact on X.500 operations, as it appears that there are no DSAs reliant solely on this network for connectivity. DSA managers should probably be advised to remove such addresses from their configuration.

4. STATISTICS

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly

operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- <helpdesk/tickets.Jan97>
- <DSA/stats.Giant-Tortoise.Jan97>
- <ldap/usage.Jan97>
- <DUA/usage.Jan97>
- <ftp/xferstats.Jan97>
- <gopher/usage.Jan97>
- <web/usage-9701.html>
- <DSA/operations/ops-hourly.Giant-Tortoise.Jan97>
- <DSA/operations/ops-summary.Giant-Tortoise.Jan97>

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for January 1997

NameFLOW-Paradise Helpdesk queries for : January 1997

```
-----  
Reference      Status  Keywords  
-----  
970101.01     done   SE Request addition to (OSI-DS =>) FORUM mailing list  
970102.01     done   DK Request change of address on mailing lists  
970102.02     done   US Request addition to (OSI-DS =>) FORUM mailing list  
970107.01     done   NL Request addition to FORUM mailing list  
970107.02     done   US Request addition to FORUM mailing list  
970108.01     done   GB Request change of address on FORUM mailing list  
970108.02     done   DE Request addition to (OSI-DS =>) FORUM mailing list  
970109.01     pend   MY Possibly a request for addition to the FORUM list  
970109.02     done   IR RFI about X.25 to TCP/IP conversion  
970113.01     done   FR Request addition to (OSI-DS =>) FORUM mailing list  
970114.01     done   AU Request for comments on future of X.500 in AU  
970114.02     done   US Help with registering new DSA in US  
970116.01     done   JP Request addition to (OSI-DS =>) FORUM mailing list  
970118.01     done   US Info-server help request
```

970120.01	done	GB RFI about NameFLOW-Paradise
970120.02	done	AM RFI about NameFLOW-Paradise
970120.03	done	PE Help with finding e-mail addresses
970123.01	done	CH Request change of presentationAddress for FLDSA
970126.01	done	FR Request addition to FORUM mailing list

Notes

970109.01 : awaiting confirmation that this is a subscription request.

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for January 1997

Summary of calls to DSA Giant Tortoise

From 0:05:18 on 31 dec to 0:03:57 on 31 jan

No. of binds	local	remote
Anonymous	0	5
Unauth name DAP	0	540
Unauth name DSP	0	3995
Simple	312	5
Protected	0	0

No. of operations	local	remote
Reads	7	124
Compares	0	0
Lists	0	4
Searches	2	37
Modifies	0	2
ModifyRDNs	0	0
Adds	1	0
GetEDBs		0 (+ 38442 slices)

System usage (calls received)

Binds by Directory technicians	852
Reads of DSA entries	35
Other ops on DSA entries	1
Getedb operations	0 (+ 38442 slices)
Spot shadows	81

LDAP usage

LDAP usage from Jan 1 1997 to Jan 31 1997

Connections: 21648
Total connect time: 867914 seconds (241 hrs 5 mins 14 secs)

Connections by domain

Domain	Connections
uk	19652
unresolved	826
com	821
dk	54
others	295
Total	21648

APPENDIX 3 - Public DUA/Telnet summary statistics for January 1997

Attempted DUA usage

Calls to the Directory Service - January 1997

Notes:

Calls from JANET, EuropaNet and PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	JANET	EuropaNet	PSS	Internet	Total
dua	3	0	15	898	916
de	-	-	-	28	28
testdua	-	-	-	1	1
					945

TELNET connections

Telnet connections and DUA logins from Jan 1 1997 to Jan 31 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections: 2554 Logins: 927

Top ten connections by domain

Domain	Connections
-----	-----
edu	1072
unresolved	588
uk	198
net	131
com	119
dz	93
nl	48
us	45
ca	34
de	29
-----	-----
Total	2357

Top ten DUA logins by domain

Domain	Logins
-----	-----
edu	431
unresolved	125
uk	101
net	45
com	39
dz	25
nl	25
us	21
ca	18
org	15
-----	-----
Total	845

APPENDIX 4 - FTP/Gopher info-server summary statistics for January 1997

FTP server

TOTALS FOR SUMMARY PERIOD Wed Jan 1 1997 TO Fri Jan 31 1997

Files Transmitted During Summary Period	385
Bytes Transmitted During Summary Period	105881589
Systems Using Archives	0
Average Files Transmitted Daily	13
Average Bytes Transmitted Daily	3529386

Gopher server

Gopher usage from Thu Jan 2 1997 to Fri Jan 31 1997

Total connections:	12
Total files retrieved:	10

UNIVERSITY OF LONDON COMPUTER CENTRE

DANTE NameFLOW-Paradise Directory Service

Deliverable M2

Monthly Report February 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during February, with one major outage outside primetime.

The following operational activities are noted:

- The presentationAddress of the FLDSA cn=Tarpon (c=SK) was changed at the request of the country manager.
- Helpdesk staff proof-read documents concerning the upcoming X.500(93) pilot tests.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

Tue February 11 07:50 - 08:15 (25mins)

All services unavailable, scheduled downtime for electricity supply work

3. ISSUES

Newly-installed router-filters on a LAN at ULCC show attempted accesses to the old IP address for Giant Tortoise, and to the defunct FLDSA Ocellated Turkey. The filter logs will be used to try to identify the DSAs with out-of-date knowledge references, and hence the relevant managers who can update them.

4. STATISTICS

The absence of remote unauthenticated DAP binds from the DSA statistics in appendix 2 is due to the (presumed) withdrawal of a top-level probe run by SWITCH in Switzerland. This also accounts for the reduction in binds by Directory technicians. The probe was last seen to run on January 23.

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>

- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- [helpdesk/tickets.Feb97](#)
- [DSA/stats.Giant-Tortoise.Feb97](#)
- [ldap/usage.Feb97](#)
- [DUA/usage.Feb97](#)
- [ftp/xferstats.Feb97](#)
- [gopher/usage.Feb97](#)
- [web/usage-9702.html](#)
- [DSA/operations/ops-hourly.Giant-Tortoise.Feb97](#)
- [DSA/operations/ops-summary.Giant-Tortoise.Feb97](#)

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for February 1997

NameFLOW-Paradise Helpdesk queries for : February 1997

```
-----
Reference      Status  Keywords
-----
970204.01     done   GB Request for list of FLDSA presentation addresses
970207.01     done   GB Request change of address on mailing lists
970209.01     done   US Request addition to (OSI-DS =>) FORUM mailing list
970210.01     done   DE Request addition to (OSI-DS =>) FORUM mailing list
970211.01     done   CA RFI about connecting to the DIT
970212.01     done   GB Query availability of Quipu 8.0
970214.01     done   US Request addition to FORUM mailing list
970214.02     done   US Request addition to (OSI-DS =>) FORUM mailing list
970217.01     done   SK Request change of FLDSA presentationAddress
970218.01     done   GB Request change of address on mailing list
970228.01     done   US Request advice on moving FLDSA to new host
-----
```

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for February 1997

Summary of calls to DSA Giant Tortoise

From 0:15:38 on 31 jan to 0:04:56 on 28 feb

No. of binds	local	remote
Anonymous	0	3
Unauth name DAP	0	0
Unauth name DSP	0	3594
Simple	305	1
Protected	0	0
No. of operations		
Reads	1	88
Compares	0	0
Lists	0	2
Searches	1	46
Modifies	0	0
ModifyRDNs	0	0
Adds	1	1
GetEDBs		0 (+ 36555 slices)

System usage (calls received)

Binds by Directory technicians	305
Reads of DSA entries	6
Other ops on DSA entries	2
Getedb operations	0 (+ 36555 slices)
Spot shadows	81

LDAP usage

LDAP usage from Feb 1 1997 to Feb 28 1997

Connections: 46798
Total connect time: 1449296 seconds (402 hrs 34 mins 56 secs)

Connections by domain

Domain	Connections
-----	-----
uk	44389
com	896
unresolved	839

net	177
others	497
-----	-----
Total	46798

APPENDIX 3 - Public DUA/Telnet summary statistics for February 1997

Attempted DUA usage

Calls to the Directory Service - February 1997

Notes:

Calls from JANET, EuropaNet and PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	JANET	EuropaNet	PSS	Internet	Total
	-----	-----	---	-----	-----
dua	2	0	0	538	540
de	-	-	-	40	40
testdua	-	-	-	0	0

					580

TELNET connections

Telnet connections and DUA logins from Feb 1 1997 to Feb 28 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections:	1719	Logins:	578
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Top ten connections by domain

Top ten DUA logins by domain

Domain	Connections
-----	-----
edu	606
unresolved	386
uk	182
dz	104
net	101
com	98
ca	38
nl	26

Domain	Logins
-----	-----
edu	220
uk	99
unresolved	72
com	41
dz	28
ca	18
net	15
de	14

de	22	us	10
jp	18	nl	10
-----		-----	
Total	1581	Total	527

APPENDIX 4 - FTP/Gopher info-server summary statistics for February 1997

FTP server

TOTALS FOR SUMMARY PERIOD Sat Feb 1 1997 TO Fri Feb 28 1997

Files Transmitted During Summary Period	347
Bytes Transmitted During Summary Period	100637100
Systems Using Archives	0
Average Files Transmitted Daily	14
Average Bytes Transmitted Daily	4193212

Gopher server

Gopher usage from Sun Feb 2 1997 to Wed Feb 26 1997

Total connections:	15
Total files retrieved:	6

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DANTE NameFLOW-Paradise Directory Service

Deliverable M3

Monthly Report March 1997 ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during March, with no significant outages.

The following operational activities are noted:

- Mirroring was set up of the EMA (Electronic Messaging Association) Challenge 97 information, and associated files.
- A private FTP directory was set up for the NP-93 test.
- Helpdesk staff proof-read DANTE's 1996 Q4 report.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

There were no significant outages this month.

3. ISSUES

It appears that ISODE/Quipu 8.0 suffers from "Year 2000" incompatibility, which will lead to problems with date comparisons after 31 December 1999. It is questionable whether we should still be offering this code via anonymous FTP.

4. STATISTICS

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- [helpdesk/tickets.Mar97](#)
- [DSA/stats.Giant-Tortoise.Mar97](#)
- [ldap/usage.Mar97](#)
- [DUA/usage.Mar97](#)
- [ftp/xferstats.Mar97](#)
- [gopher/usage.Mar97](#)
- [web/usage-9703.html](#)
- [DSA/operations/ops-hourly.Giant-Tortoise.Mar97](#)
- [DSA/operations/ops-summary.Giant-Tortoise.Mar97](#)

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
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4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for March 1997

NameFLOW-Paradise Helpdesk queries for : March 1997

Reference	Status	Keywords
970303.01	done	GB Query support for LDAP within NameFLOW-Paradise
970304.01	done	US Query availability of telephone directories
970306.01	done	GB Request information on user problems with DE DUA
970307.01	done	GB Request change of address on FORUM mailing list
970307.02	done	DE Request addition to (OSI-DS =>) FORUM mailing list
970312.01	done	US Request addition to (OSI-DS =>) FORUM mailing list
970313.01	done	GB Help with building PARADISE DUA/DSA
970313.02	done	GB Request addition to FORUM mailing list
970315.01	done	IN Request access to NameFLOW-Paradise data for testing
970319.01	done	PL Help with Quipu problems
970320.01	done	US Info-server help request
970321.01	done	CH Request removal of FLDSA entry
970322.01	done	US Request removal from FORUM mailing list
970327.01	done	US Request addition to (OSI-DS =>) FORUM mailing list

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for March 1997

Summary of calls to DSA Giant Tortoise

From 0:05:30 on 28 feb to 23:48:56 on 30 mar

No. of binds	local	remote
Anonymous	0	5
Unauth name DAP	0	0
Unauth name DSP	0	3659
Simple	356	0
Protected	0	0

No. of operations	local	remote
Reads	1	96
Compares	0	0
Lists	0	259
Searches	0	37
Modifies	1	0
ModifyRDNs	0	0
Adds	0	1
GetEDBs		0 (+ 35612 slices)

System usage (calls received)

Binds by Directory technicians	356
Reads of DSA entries	13
Other ops on DSA entries	1
Getedb operations	0 (+ 35612 slices)
Spot shadows	69

LDAP usage

LDAP usage from Mar 1 1997 to Mar 31 1997

Connections: 22170
Total connect time: 1884540 seconds (523 hrs 29 mins 0 secs)

Connections by domain

Domain	Connections
uk	19598
sg	914
unresolved	707
com	458
others	493
Total	22170

APPENDIX 3 - Public DUA/Telnet summary statistics for March 1997

Attempted DUA usage

Calls to the Directory Service - March 1997

Notes:

Calls from JANET, EuropaNet and PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	JANET	EuropaNet	PSS	Internet	Total
	-----	-----	---	-----	-----
dua	4	0	0	610	614
de	-	-	-	29	29
testdua	-	-	-	0	0

					643

TELNET connections

Telnet connections and DUA logins from Mar 1 1997 to Mar 31 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections: 1890 Logins: 639

Top ten connections by domain

Top ten DUA logins by domain

Domain	Connections	Domain	Logins
-----	-----	-----	-----
edu	643	edu	239
unresolved	453	unresolved	105
dz	183	dz	63
uk	160	uk	60
com	112	com	47
net	85	net	17
ca	27	ca	15
us	24	us	11
de	23	org	10
jp	21	de	9
Total	1731	Total	576

APPENDIX 4 - FTP/Gopher info-server summary statistics for March 1997

FTP server

TOTALS FOR SUMMARY PERIOD Sat Mar 1 1997 TO Mon Mar 31 1997

Files Transmitted During Summary Period	466
Bytes Transmitted During Summary Period	101093974
Systems Using Archives	0

Average Files Transmitted Daily	19
Average Bytes Transmitted Daily	4212249

Gopher server

Gopher usage from Tue Mar 4 1997 to Sat Mar 29 1997

Total connections:	13
Total files retrieved:	8

UNIVERSITY OF LONDON COMPUTER CENTRE

DANTE NameFLOW-Paradise Directory Service

Deliverable M4

Monthly Report April 1997 ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during April, with 3 major scheduled outages outside prime-time.

The following operational activities are noted:

- The presentationAddress of the FLDSA cn=Fruit Bat (c=US) was changed at the request of the country manager, due to system problems. The potential problem with subordinate DSAs that replicate the root EDB directly from this DSA was pointed out, and the manager temporarily restored some service on the old address to cope with this.
- Following last month's Issues, the managers of some of the DSAs with out-of-date knowledge references were contacted, with varying results.
- Ad-hoc mirroring was set up for the connectivity information of the EMA Challenge 97 project, which is not held on the EMA ftp server already being mirrored.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

Tue April 8 07:54 - 09:08 (1hr 14mins)

All services unavailable, scheduled downtime for electricity supply work

Sat April 12 07:56 - 15:28 (7hrs 32mins)

All services unavailable, scheduled downtime for JANET IP reconfiguration; however, the work lasted longer than expected

Tue April 22 07:54 - 10:17 (2hrs 23mins)

All services unavailable, scheduled downtime for electricity supply work

3. ISSUES

David Chadwick's document on root-context replication appeared this month as RFC 2120. It can only be hoped that vendors will follow this to produce X.500(93) implementations that will allow practical management of the

upper levels of the DIT.

4. STATISTICS

In reports from this month onwards, DUA figures in appendix 3 will no longer include EuropaNet X.25. That network was dismantled at the end of March, and in fact the last attempted use of the DUA from it was during October 1996.

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- <helpdesk/tickets.Apr97>
- <DSA/stats.Giant-Tortoise.Apr97>
- <ldap/usage.Apr97>
- <DUA/usage.Apr97>
- <ftp/xferstats.Apr97>
- <gopher/usage.Apr97>
- <web/usage-9704.html>
- <DSA/operations/ops-hourly.Giant-Tortoise.Apr97>
- <DSA/operations/ops-summary.Giant-Tortoise.Apr97>

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for April 1997

NameFLOW-Paradise Helpdesk queries for : April 1997

```
-----  
Reference      Status  Keywords  
-----  
970407.01     done    US Help with Quipu problem & change FLDSA address  
970408.01     done    US Help with non-Quipu subordinate (X.500 Enabler)  
970409.01     done    US Request addition to (OSI-DS =>) FORUM mailing list  
970411.01     done    AU Problem with FLDSA replication & configuration  
970414.01     done    US Request addition to (OSI-DS =>) FORUM mailing list
```

970418.01	done	US Help with complex Quipu configuration
970423.01	done	CN RFI about Unicode support in X.500(93) and Quipu
970423.02	done	NZ Help with Directory access & finding e-mail address
970424.01	done	US Request addition to (OSI-DS =>) FORUM mailing list

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for April 1997

Summary of calls to DSA Giant Tortoise

From 0:08:17 on 31 mar to 23:59:16 on 29 apr

No. of binds	local	remote
Anonymous	0	32
Unauth name DAP	0	0
Unauth name DSP	0	2803
Simple	387	16
Protected	0	0

No. of operations	local	remote
Reads	5	131
Compares	0	0
Lists	1	8
Searches	5	113
Modifies	0	5
ModifyRDNs	0	0
Adds	2	10
GetEDBs		0 (+ 37841 slices)

System usage (calls received)

Binds by Directory technicians	387
Reads of DSA entries	23
Other ops on DSA entries	12
Getedb operations	0 (+ 37841 slices)
Spot shadows	72

LDAP usage

LDAP usage from Apr 1 1997 to Apr 30 1997

Connections: 26350

Total connect time: 1681843 seconds (467 hrs 10 mins 43 secs)

Connections by domain

Domain	Connections
uk	23856
sg	790
unresolved	608
com	289
others	807
Total	26350

APPENDIX 3 - Public DUA/Telnet summary statistics for April 1997

Attempted DUA usage

Calls to the Directory Service - April 1997

Notes:

Calls from JANET and PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	JANET	PSS	Internet	Total
dua	3	5	481	489
de	-	-	31	31
testdua	-	-	1	1

				521

TELNET connections

Telnet connections and DUA logins from Apr 1 1997 to Apr 30 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections: 1803 Logins: 513

Top ten connections by domain

Top ten DUA logins by domain

Domain	Connections	Domain	Logins
-----	-----	-----	-----
edu	639	edu	193
unresolved	466	unresolved	63
uk	127	uk	42
dz	109	com	35
net	93	net	32
com	80	dz	29
de	37	de	18
us	28	us	13
jp	23	org	12
org	22	ca	9
-----	-----	-----	-----
Total	1624	Total	446

APPENDIX 4 - FTP/Gopher info-server summary statistics for April 1997

FTP server

TOTALS FOR SUMMARY PERIOD Tue Apr 1 1997 TO Tue Apr 29 1997

Files Transmitted During Summary Period	231
Bytes Transmitted During Summary Period	63251329
Systems Using Archives	0
Average Files Transmitted Daily	10
Average Bytes Transmitted Daily	2635472

Gopher server

Gopher usage from Wed Apr 2 1997 to Mon Apr 28 1997

Total connections:	10
Total files retrieved:	14

DANTE NameFLOW-Paradise Directory Service

Deliverable M5

Monthly Report May 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during May, with no significant outages. However, there was an extended problem with IP routing.

The following operational activities are noted:

- Helpdesk staff participated in the NP-93 test period, with an emphasis on root-context replication.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

Fri May 9 14:26 - 15:10 (44mins)

DSA Giant Tortoise unavailable, stuck Quipu process; manually restarted

In addition, there was an extended problem with IP routing between the subnet which hosts Giant Tortoise, and the rest of the UK academic network. This primarily affected the connectivity between DANTE's web/X.500 gateway and its LDAP backend at ULCC. This problem lasted from 15:19 on May 9th to 11:59 on May 14th (116hrs 40mins).

3. ISSUES

One member of the FORUM mailing list complained about receiving inappropriate mail through their list membership, and asked if this sort of thing could be stopped at the list expander. It is felt that the scale of the problem is not significant enough to pursue this.

4. STATISTICS

The LDAP statistics in appendix 1 were affected by the extended IP-routing problem mentioned in Outages.

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly

operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- <helpdesk/tickets.May97>
- <DSA/stats.Giant-Tortoise.May97>
- <ldap/usage.May97>
- <DUA/usage.May97>
- <ftp/xferstats.May97>
- <gopher/usage.May97>
- <web/usage-9705.html>
- <DSA/operations/ops-hourly.Giant-Tortoise.May97>
- <DSA/operations/ops-summary.Giant-Tortoise.May97>

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for May 1997

NameFLOW-Paradise Helpdesk queries for : May 1997

```
-----  
Reference      Status  Keywords  
-----  
970501.01     done    NL Request addition to MANAGERS mailing list  
970502.01     done    DZ Help with public-access DUA & general Internet use  
970502.02     done    US Query status of subscription to FORUM mailing list  
970505.01     done    IL Help with public-access DUA  
970505.02     done    US Query problem with inappropriate mail on FORUM list  
970506.01     done    SE Request PARADISE document  
970514.01     done    JP Query availability of public LDAP servers  
970514.02     done    GB Query availability of IDM DUA  
970516.01     done    US Request addition to FORUM mailing list  
970517.01     done    US Help with public-access DUA  
970529.01     done    US Help with delegating a state to a subordinate DSA
```

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for May 1997

Summary of calls to DSA Giant Tortoise

From 0:16:56 on 30 apr to 23:46:23 on 30 may

No. of binds	local	remote
Anonymous	0	6
Unauth name DAP	0	0
Unauth name DSP	0	2685
Simple	406	2
Protected	0	0

No. of operations		
Reads	1	163
Compares	0	0
Lists	1	14
Searches	2	61
Modifies	0	3
ModifyRDNs	0	0
Adds	0	0
GetEDBs		0 (+ 38213 slices)

System usage (calls received)

Binds by Directory technicians	406
Reads of DSA entries	24
Other ops on DSA entries	0
Getedb operations	0 (+ 38213 slices)
Spot shadows	118

LDAP usage

LDAP usage from May 1 1997 to May 31 1997

Connections: 17736
Total connect time: 681726 seconds (189 hrs 22 mins 6 secs)

Connections by domain

Domain	Connections
-----	-----
uk	15908

unresolved	778
sg	346
com	218
others	486
-----	-----
Total	17736

APPENDIX 3 - Public DUA/Telnet summary statistics for May 1997

Attempted DUA usage

Calls to the Directory Service - May 1997

Notes:

Calls from JANET and PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	JANET	PSS	Internet	Total
	-----	---	-----	-----
dua	2	0	446	448
de	-	-	32	32
testdua	-	-	0	0

				480

TELNET connections

Telnet connections and DUA logins from May 1 1997 to May 31 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections:	1564	Logins:	478
--------------	------	---------	-----

Top ten connections by domain

Top ten DUA logins by domain

Domain	Connections
-----	-----
edu	431
unresolved	364
uk	199
net	118
com	111
dz	101

Domain	Logins
-----	-----
edu	133
uk	73
unresolved	59
com	46
net	41
dz	26

us	25	org	13
nl	22	nl	13
de	22	de	8
org	18	cz	6
-----	-----	-----	-----
Total	1411	Total	418

APPENDIX 4 - FTP/Gopher info-server summary statistics for May 1997

FTP server

TOTALS FOR SUMMARY PERIOD Thu May 1 1997 TO Sat May 31 1997

Files Transmitted During Summary Period	165
Bytes Transmitted During Summary Period	43176179
Systems Using Archives	0
Average Files Transmitted Daily	7
Average Bytes Transmitted Daily	1799007

Gopher server

Gopher usage from Sat May 3 1997 to Sat May 31 1997

Total connections:	12
Total files retrieved:	1

DANTE NameFLOW-Paradise Directory Service

Deliverable M6

Monthly Report June 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during June, with no significant outages.

The following operational activities are noted:

- The presentationAddress of the FLDSA cn=Elephant Seal (c=IS) was changed at the request of the country manager.
- Carrying on from last month, helpdesk staff continued to participate in the NP-93 test period.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

There were no significant outages this month.

3. ISSUES

The manager for c=US has reported that he is unable to link his current FLDSA to standalone LDAP servers using the X.500 Enabler from Critical Angle. It is believed that the difficulty may be with the initial configuration rather than "production" use, and it is hoped that this can be resolved.

This month, a T3 circuit (45Mbps) was brought into service between the UK academic network, JANET, and North America. This should improve performance of Directory operations for Giant Tortoise and UKERNA DSAs into Canada, the USA, and beyond.

4. STATISTICS

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>

- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- [helpdesk/tickets.Jun97](#)
- [DSA/stats.Giant-Tortoise.Jun97](#)
- [ldap/usage.Jun97](#)
- [DUA/usage.Jun97](#)
- [ftp/xferstats.Jun97](#)
- [gopher/usage.Jun97](#)
- [web/usage-9706.html](#)
- [DSA/operations/ops-hourly.Giant-Tortoise.Jun97](#)
- [DSA/operations/ops-summary.Giant-Tortoise.Jun97](#)

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for June 1997

NameFLOW-Paradise Helpdesk queries for : June 1997

Reference	Status	Keywords
970602.01	done	US Help with Quipu EDB replication
970609.01	done	IE Request update of NameFLOW-Paradise status
970609.02	done	DE Request addition to (OSI-DS =>) FORUM mailing list
970609.03	done	DE Help with use of OIDs for enterprise attributes
970609.04	done	CA Request addition to FORUM mailing list
970609.05	done	CA Request addition to MANAGERS mailing list
970610.01	done	DE Request details of OID registry in DE
970612.01	done	NL Request removal from FORUM and MANAGERS mailing lists
970612.02	done	NL Request addition to FORUM and MANAGERS mailing lists
970612.03	done	GB Request addition to (OSI-DS =>) FORUM mailing list
970613.01	done	DE Request removal from (OSI-DS =>) FORUM mailing list
970613.02	done	IS Request change of FLDSA presentationAddress
970617.01	done	ES Query size of NameFLOW-Paradise DIT
970618.01	done	US Request addition to (OSI-DS =>) FORUM mailing list
970630.01	done	IT Request addition to FORUM mailing list

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for June 1997

Summary of calls to DSA Giant Tortoise

From 0:06:53 on 31 may to 23:46:30 on 29 jun

No. of binds	local	remote
Anonymous	0	5
Unauth name DAP	0	0
Unauth name DSP	0	2609
Simple	443	0
Protected	0	0
No. of operations		
Reads	4	242
Compares	0	0
Lists	1	4
Searches	1	61
Modifies	1	0
ModifyRDNs	0	0
Adds	1	0
GetEDBs		0 (+ 36876 slices)

System usage (calls received)

Binds by Directory technicians	443
Reads of DSA entries	7
Other ops on DSA entries	2
Getedb operations	0 (+ 36876 slices)
Spot shadows	176

LDAP usage

LDAP usage from Jun 1 1997 to Jun 30 1997

Connections:	18901
Total connect time:	262203 seconds (72 hrs 50 mins 3 secs)

Connections by domain

Domain	Connections
-----	-----
uk	17824
unresolved	246
ca	155

sg	140
others	536
-----	-----
Total	18901

APPENDIX 3 - Public DUA/Telnet summary statistics for June 1997

Attempted DUA usage

Calls to the Directory Service - June 1997

Notes:

Calls from JANET and PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	JANET	PSS	Internet	Total
	-----	---	-----	-----
dua	1	0	372	373
de	-	-	52	52
testdua	-	-	0	0

				425

TELNET connections

Telnet connections and DUA logins from Jun 1 1997 to Jun 30 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections:	1136	Logins:	424
--------------	------	---------	-----

Top ten connections by domain

Top ten DUA logins by domain

Domain	Connections
-----	-----
edu	325
unresolved	238
dz	124
com	97
uk	66
net	60
us	33
de	28
nl	27
ca	19

Domain	Logins
-----	-----
edu	113
unresolved	92
uk	39
com	35
dz	33
net	18
us	14
ca	14
nl	12
gov	9

Total 1017

Total 379

APPENDIX 4 - FTP/Gopher info-server summary statistics for June 1997

FTP server

TOTALS FOR SUMMARY PERIOD Sun Jun 1 1997 TO Mon Jun 30 1997

Files Transmitted During Summary Period	196
Bytes Transmitted During Summary Period	49720012
Systems Using Archives	0
Average Files Transmitted Daily	7
Average Bytes Transmitted Daily	1841482

Gopher server

Gopher usage from Thu Jun 5 1997 to Sat Jun 28 1997

Total connections:	6
Total files retrieved:	1

UNIVERSITY OF LONDON COMPUTER CENTRE

DANTE NameFLOW-Paradise Directory Service

Deliverable M7

Monthly Report July 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during July, with one major outage outside prime-time.

The following operational activities are noted:

- Following on from Issues in the May report, inappropriate mail to the FORUM list seemed to be increasing, all of which came through the redirection of the OSI-DS list address. That was changed to point at the FORUM administration address instead.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

Fri July 25 19:23 - Mon July 28 09:51 (62hrs 28mins)

All services unavailable, IP router Ethernet interface hardware failure; interface replaced

3. ISSUES

The c=GR FLDSA, cn=Caretta Caretta, is currently down. We await information on the status of this DSA from our contacts in Greece.

4. STATISTICS

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- <helpdesk/tickets.Jul97>
- <DSA/stats.Giant-Tortoise.Jul97>
- <ldap/usage.Jul97>

- [DUA/usage.Jul97](#)
- [ftp/xferstats.Jul97](#)
- [gopher/usage.Jul97](#)
- [web/usage-9707.html](#)
- [DSA/operations/ops-hourly.Giant-Tortoise.Jul97](#)
- [DSA/operations/ops-summary.Giant-Tortoise.Jul97](#)

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for July 1997

NameFLOW-Paradise Helpdesk queries for : July 1997

```
-----
Reference      Status  Keywords
-----
970706.01     done   DE Request addition to (OSI-DS =>) FORUM mailing list
970706.02     done   IR Request addresses of X.25 public-access systems
970710.01     done   LU Request change of address on mailing lists
970715.01     done   GB Request removal from mailing lists
970717.01     done   CO Request contact details of company in GB
970717.02     done   US Request contact details of research institute in GB
970726.01     done   IT RFI about connecting slapd to NameFLOW-Paradise DIT
970728.01     done   CN Help with Quipu string/character-set internals
970730.01     done   SE Help with finding e-mail addresses in Norway
-----
```

Notes

970730.01: Query passed to the Norwegian helpdesk

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for July 1997

Summary of calls to DSA Giant Tortoise

From 0:30:02 on 30 jun to 23:46:38 on 30 jul

No. of binds	local	remote
Anonymous	0	4
Unauth name DAP	0	0
Unauth name DSP	0	2466
Simple	519	0
Protected	0	0
No. of operations		
Reads	4	161
Compares	0	0
Lists	0	4
Searches	1	213
Modifies	1	0
ModifyRDNs	0	0
Adds	0	31
GetEDBs		0 (+ 35963 slices)

System usage (calls received)

Binds by Directory technicians	519
Reads of DSA entries	25
Other ops on DSA entries	1
Getedb operations	0 (+ 35963 slices)
Spot shadows	134

LDAP usage

LDAP usage from Jul 1 1997 to Jul 31 1997

Connections: 32805
 Total connect time: 571143 seconds (158 hrs 39 mins 3 secs)

Connections by domain

Domain	Connections
uk	30959
unresolved	472
sg	404
com	188
others	782
Total	32805

Attempted DUA usage

Calls to the Directory Service - July 1997

Notes:

Calls from JANET and PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	JANET	PSS	Internet	Total
	-----	---	-----	-----
dua	3	3	246	252
de	-	-	10	10
testdua	-	-	0	0

				262

TELNET connections

Telnet connections and DUA logins from Jul 1 1997 to Jul 31 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections: 997 Logins: 256

Top ten connections by domain

Top ten DUA logins by domain

Domain	Connections	Domain	Logins
-----	-----	-----	-----
edu	265	edu	63
unresolved	229	unresolved	50
com	133	net	31
dz	88	dz	19
net	75	com	19
uk	50	uk	13
de	19	in	8
jp	14	nl	6
nl	13	it	5
au = ca	11	au = de = gov	5
-----	-----	-----	-----
Total	908	Total	229

FTP server

TOTALS FOR SUMMARY PERIOD Tue Jul 1 1997 TO Thu Jul 31 1997

Files Transmitted During Summary Period	179
Bytes Transmitted During Summary Period	59706785
Systems Using Archives	0
Average Files Transmitted Daily	7
Average Bytes Transmitted Daily	2388271

Gopher server

Gopher usage from Sat Jul 5 1997 to Thu Jul 31 1997

Total connections:	13
Total files retrieved:	9

UNIVERSITY OF LONDON COMPUTER CENTRE

DANTE NameFLOW-Paradise Directory Service

Deliverable M8

Monthly Report August 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during August, with one outage during prime-time.

The following operational activities are noted:

- The country manager for c=CH wished to withdraw the top-level slave DSA cn=Condor. This required prior modification of the configurations of some other top-level DSAs by their respective managers; this was requested by helpdesk staff.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

Thu August 21 16:17 - 16:50 (33mins)

DSA Giant Tortoise unavailable, stuck Quipu process; manually restarted

3. ISSUES

We have no issues to raise this month.

4. STATISTICS

Attempted use of the DUA from JANET is no longer shown in Appendix 3, as the JANET X.25 network was dismantled at the start of August.

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- <helpdesk/tickets.Aug97>

- [DSA/stats.Giant-Tortoise.Aug97](#)
- [ldap/usage.Aug97](#)
- [DUA/usage.Aug97](#)
- [ftp/xferstats.Aug97](#)
- [gopher/usage.Aug97](#)
- [web/usage-9708.html](#)
- [DSA/operations/ops-hourly.Giant-Tortoise.Aug97](#)
- [DSA/operations/ops-summary.Giant-Tortoise.Aug97](#)

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for August 1997

NameFLOW-Paradise Helpdesk queries for : August 1997

```
-----
Reference      Status  Keywords
-----
970807.01     done   CA Help with getting linked into the DIT
970817.01     done   CH Request changes prior to removing FLDSA
970822.01     done   DE Request addition to (OSI-DS =>) FORUM mailing list
970822.02     done   GB RFI about finding out who owns a telephone number
970823.01     done   US Help with public-access DUAs
970828.01     done   DE Help with finding people worldwide
-----
```

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for August 1997

Summary of calls to DSA Giant Tortoise

From 0:30:03 on 31 jul to 23:52:27 on 30 aug

```
No. of binds          local  remote
```

Anonymous	0	6
Unauth name DAP	0	0
Unauth name DSP	0	2601
Simple	497	3
Protected	0	0
No. of operations		
Reads	13	304
Compares	0	0
Lists	1	38
Searches	1	148
Modifies	3	5
ModifyRDNs	0	0
Adds	0	0
GetEDBs		0 (+ 26571 slices)

System usage (calls received)

Binds by Directory technicians	497
Reads of DSA entries	62
Other ops on DSA entries	1
Getedb operations	0 (+ 26571 slices)
Spot shadows	211

LDAP usage

LDAP usage from Aug 1 1997 to Aug 31 1997

Connections:	63167
Total connect time:	538362 seconds (149 hrs 32 mins 42 secs)

Connections by domain

Domain	Connections
-----	-----
uk	60844
unresolved	653
com	417
sg	339
others	914
-----	-----
Total	63167

APPENDIX 3 - Public DUA/Telnet summary statistics for August 1997

Attempted DUA usage

Calls to the Directory Service - August 1997

Notes:

Calls from PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	PSS	Internet	Total
	---	-----	-----
dua	1	340	341
de	-	19	19
testdua	-	0	0

			360

TELNET connections

Telnet connections and DUA logins from Aug 1 1997 to Aug 31 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections: 1144 Logins: 359

Top ten connections by domain

Domain	Connections
-----	-----
edu	383
unresolved	245
net	112
com	99
dz	46
de	41
uk	40
us	25
jp	25
nl	24
-----	-----
Total	1040

Top ten DUA logins by domain

Domain	Logins
-----	-----
edu	109
unresolved	52
net	42
com	32
de	25
uk	20
mil	14
nl	12
us	11
dz	10
-----	-----
Total	327

APPENDIX 4 - FTP/Gopher info-server summary statistics for August 1997

FTP server

TOTALS FOR SUMMARY PERIOD Fri Aug 1 1997 TO Sun Aug 31 1997

Files Transmitted During Summary Period	215
Bytes Transmitted During Summary Period	54714337
Systems Using Archives	0
Average Files Transmitted Daily	8
Average Bytes Transmitted Daily	1954083

Gopher server

Gopher usage from Sat Aug 2 1997 to Sat Aug 30 1997

Total connections:	12
Total files retrieved:	3

UNIVERSITY OF LONDON COMPUTER CENTRE

DANTE NameFLOW-Paradise Directory Service

Deliverable M9

Monthly Report September 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during September, with no significant outages during prime-time.

The following operational activities are noted:

- The subordinateReference for c=FR was changed to the new PSAP address for the FLDSA, at the request of the country-manager.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

There were no significant outages this month.

3. ISSUES

The FLDSA for c=FR is expected to be unavailable for a period in the near future, during a software upgrade. It was uncontactable for a period this month due to hardware reconfiguration. This is significant since the only access to all DSAs in France is through the FLDSA, following the strict X.500(88) knowledge model.

The EuroView project has again expressed interest in cooperating with NameFLOW-Paradise.

4. STATISTICS

Appendix 2 shows a considerable drop in the number of "GetEDB slice" operations, compared with August and, especially, July. This is thought to be due to the unavailability of the FLDSA for c=FR. As this is not a Quipu, the entry for c=FR is spot-shadowed from it by Giant Tortoise at each replication interval. That causes the root EDB to be updated each time, which in turn is replicated to the other FLDSAs.

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- <helpdesk/tickets.Sep97>
- <DSA/stats.Giant-Tortoise.Sep97>
- <ldap/usage.Sep97>
- <DUA/usage.Sep97>
- <ftp/xferstats.Sep97>
- <gopher/usage.Sep97>
- <web/usage-9709.html>
- <DSA/operations/ops-hourly.Giant-Tortoise.Sep97>
- <DSA/operations/ops-summary.Giant-Tortoise.Sep97>

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for September 1997

NameFLOW-Paradise Helpdesk queries for : September 1997

Reference	Status	Keywords
970901.01	done	KR Request addition to FORUM mailing list
970902.01	done	US Request addition to FORUM mailing list
970902.02	done	US Request addition to MANAGERS mailing list
970905.01	done	ES RFI about public-sector use of X.500
970916.01	done	CH Query status of FLDSA for c=FR
970917.01	done	UA Request for general help
970922.01	done	JP Request addition to FORUM mailing list
970926.01	done	GB Request NameFLOW contact details for Euroview
970929.01	done	US Request for up-to-date FLDSA PSAP addresses
970930.01	done	NO Request change of address on FORUM mailing list

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for September 1997

Summary of calls to DSA Giant Tortoise

From 0:18:35 on 31 aug to 23:46:56 on 29 sep

No. of binds	local	remote
Anonymous	0	8
Unauth name DAP	0	0
Unauth name DSP	0	2472
Simple	497	3
Protected	0	0
No. of operations		
Reads	2	230
Compares	0	0
Lists	0	0
Searches	0	125
Modifies	0	3
ModifyRDNs	0	1
Adds	0	0
GetEDBs		0 (+ 17539 slices)

System usage (calls received)

Binds by Directory technicians	497
Reads of DSA entries	89
Other ops on DSA entries	1
Getedb operations	0 (+ 17539 slices)
Spot shadows	118

LDAP usage

LDAP usage from Sep 1 1997 to Sep 30 1997

Connections:	28799
Total connect time:	547206 seconds (152 hrs 0 mins 6 secs)

Connections by domain

unresolved	443	unresolved	71
net	129	net	44
com	95	com	40
se	58	uk	28
uk	57	us	13
dz	39	nl	10
ca	30	ca	9
jp	29	dz	7
us = nl	20	de	6
-----	-----	-----	-----
Total	1706	Total	515

APPENDIX 4 - FTP/Gopher info-server summary statistics for September 1997

FTP server

TOTALS FOR SUMMARY PERIOD Mon Sep 1 1997 TO Tue Sep 30 1997

Files Transmitted During Summary Period	188
Bytes Transmitted During Summary Period	38091887
Systems Using Archives	0
Average Files Transmitted Daily	7
Average Bytes Transmitted Daily	1410811

Gopher server

Gopher usage from Tue Sep 2 1997 to Sat Sep 27 1997

Total connections:	8
Total files retrieved:	14

UNIVERSITY OF LONDON COMPUTER CENTRE

DANTE NameFLOW-Paradise Directory Service

Deliverable M10

Monthly Report October 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during October, with one significant outage during prime-time.

The following operational activities are noted:

- The entry for the FLDSA cn=Condor was removed at the request of the country manager for c=CH.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

Fri October 31 14:54 - 16:07 (1hr 13mins)

DSA Giant Tortoise unavailable, stuck Quipu process; manually restarted

3. ISSUES

Someone in Bulgaria has asked how they would go about registering c=BG in the NameFLOW-Paradise DIT. It is not yet clear how serious their intention is.

4. STATISTICS

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- <helpdesk/tickets.Oct97>
- <DSA/stats.Giant-Tortoise.Oct97>
- <ldap/usage.Oct97>
- <DUA/usage.Oct97>

- [ftp/xferstats.Oct97](#)
- [gopher/usage.Oct97](#)
- [web/usage-9710.html](#)
- [DSA/operations/ops-hourly.Giant-Tortoise.Oct97](#)
- [DSA/operations/ops-summary.Giant-Tortoise.Oct97](#)

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for October 1997

NameFLOW-Paradise Helpdesk queries for : October 1997

```
-----
Reference      Status  Keywords
-----
971001.01     done   US Query problems with US FLDSA
971002.01     done   GB Help with finding an e-mail address in GB
971012.01     done   CH Request removal of FLDSA entry & query c=FR status
971025.01     done   IN Request addition to (OSI-DS =>) FORUM mailing list
971030.01     done   NO Request addition to FORUM mailing list
971031.01     done   BG RFI about joining NameFLOW-Paradise
971031.02     done   GB RFI about NameFLOW-Paradise
```

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for October 1997

Summary of calls to DSA Giant Tortoise

From 0:30:02 on 30 sep to 23:46:54 on 30 oct

No. of binds	local	remote
Anonymous	0	25
Unauth name DAP	0	0

Unauth name DSP	0	2609
Simple	452	0
Protected	0	0
No. of operations		
Reads	6	165
Compares	0	0
Lists	9	0
Searches	3	275
Modifies	1	0
ModifyRDNs	0	0
Adds	0	0
GetEDBs		0 (+ 26356 slices)

System usage (calls received)

Binds by Directory technicians	452
Reads of DSA entries	109
Other ops on DSA entries	0
Getedb operations	0 (+ 26356 slices)
Spot shadows	54

LDAP usage

LDAP usage from Oct 1 1997 to Oct 31 1997

Connections:	36687
Total connect time:	1500170 seconds (416 hrs 42 mins 50 secs)

Connections by domain

Domain	Connections
uk	34906
unresolved	680
com	398
edu	123
others	580
Total	36687

APPENDIX 3 - Public DUA/Telnet summary statistics for October 1997

Attempted DUA usage

Calls to the Directory Service - October 1997

Notes:

Calls from PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	PSS	Internet	Total
	---	-----	-----
dua	0	409	409
de	-	9	9
testdua	-	0	0

			418

TELNET connections

Telnet connections and DUA logins from Oct 1 1997 to Oct 31 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections: 1505 Logins: 418

Top ten connections by domain

Top ten DUA logins by domain

Domain	Connections
-----	-----
edu	561
unresolved	394
uk	115
com	88
net	78
dz	60
de	39
se	26
ca	26
nl	20
-----	-----
Total	1407

Domain	Logins
-----	-----
edu	181
unresolved	55
uk	49
net	26
dz	20
com	19
de	10
nl	9
ca	9
org	5
-----	-----
Total	383

APPENDIX 4 - FTP/Gopher info-server summary statistics for October 1997

FTP server

TOTALS FOR SUMMARY PERIOD Wed Oct 1 1997 TO Fri Oct 31 1997

Files Transmitted During Summary Period	182
Bytes Transmitted During Summary Period	45704428
Systems Using Archives	0
Average Files Transmitted Daily	6
Average Bytes Transmitted Daily	1632301

Gopher server

Gopher usage from Wed Oct 1 1997 to Mon Oct 27 1997

Total connections:	8
Total files retrieved:	11

UNIVERSITY OF LONDON COMPUTER CENTRE

DANTE NameFLOW-Paradise Directory Service

Deliverable M11

Monthly Report November 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during November, with no significant outages during prime-time.

The following operational activities are noted:

- A count was performed of the numbers of organisations and DSAs in the DIT.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

There were no significant outages this month.

3. ISSUES

The country manager for c=BE has expressed interest in converting the FLDSA for Belgium from a Quipu to an X.500(93) implementation.

4. STATISTICS

The high number of local searches in the DSA figures in appendix 1 reflects the DIT count performed during the month.

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>
- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- <helpdesk/tickets.Nov97>
- <DSA/stats.Giant-Tortoise.Nov97>
- <ldap/usage.Nov97>

- [DUA/usage.Nov97](#)
- [ftp/xferstats.Nov97](#)
- [gopher/usage.Nov97](#)
- [web/usage-9711.html](#)
- [DSA/operations/ops-hourly.Giant-Tortoise.Nov97](#)
- [DSA/operations/ops-summary.Giant-Tortoise.Nov97](#)

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for November 1997

NameFLOW-Paradise Helpdesk queries for : November 1997

```
-----
Reference      Status  Keywords
-----
971104.01      done    CN Request details of NameFLOW-Paradise 1996/97 report
971104.02      done    US Help with public-access LDAP gateways
971112.01      done    US Request addition to (OSI-DS =>) FORUM mailing list
971113.01      done    FR Request change of address on FORUM mailing list
971115.01      done    US RFI about NameFLOW-Paradise
971121.01      done    US Request addition to (OSI-DS =>) FORUM mailing list
971122.01      done    BG RFI about joining NameFLOW-Paradise
971124.01      pend    IT Request to join as l=Europe@o=European Commission
971128.01      done    BE RFI about NP-93 and converting FLDSA to X.500(93)
-----
```

Notes

971124.01: Awaiting confirmation that organisation is ready to go public.

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for November 1997

Summary of calls to DSA Giant Tortoise

From 0:06:27 on 31 oct to 23:57:00 on 29 nov

No. of binds	local	remote
Anonymous	0	24
Unauth name DAP	0	0
Unauth name DSP	0	2570
Simple	358	0
Protected	0	0

No. of operations	local	remote
Reads	19	548
Compares	0	0
Lists	18	2
Searches	6210	558
Modifies	0	0
ModifyRDNs	0	0
Adds	0	0
GetEDBs		0 (+ 29634 slices)

System usage (calls received)

Binds by Directory technicians	358
Reads of DSA entries	119
Other ops on DSA entries	0
Getedb operations	0 (+ 29634 slices)
Spot shadows	92

LDAP usage

LDAP usage from Nov 1 1997 to Nov 30 1997

Connections:	36814
Total connect time:	822040 seconds (228 hrs 20 mins 40 secs)

Connections by domain

Domain	Connections
uk	34513
unresolved	835
com	632
cl	238
others	596
Total	36814

Attempted DUA usage

Calls to the Directory Service - November 1997

Notes:

Calls from PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	PSS	Internet	Total
	---	-----	-----
dua	0	381	381
de	-	20	20
testdua	-	0	0

			401

TELNET connections

Telnet connections and DUA logins from Nov 1 1997 to Nov 30 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections: 1388 Logins: 401

Top ten connections by domain

Top ten DUA logins by domain

Domain	Connections
-----	-----
unresolved	393
edu	386
uk	118
net	113
com	72
dz	44
de	41
us	37
ca	34
nl = jp	15
-----	-----
Total	1268

Domain	Logins
-----	-----
edu	135
unresolved	73
uk	41
net	34
com	19
ca	19
dz	10
nl	8
de	8
pl = au	6
-----	-----
Total	359

FTP server

TOTALS FOR SUMMARY PERIOD Sat Nov 1 1997 TO Sun Nov 30 1997

Files Transmitted During Summary Period	121
Bytes Transmitted During Summary Period	31167630
Systems Using Archives	0
Average Files Transmitted Daily	5
Average Bytes Transmitted Daily	1355114

Gopher server

Gopher usage from Tue Nov 11 1997 to Wed Nov 26 1997

Total connections:	3
Total files retrieved:	1

UNIVERSITY OF LONDON COMPUTER CENTRE

DANTE NameFLOW-Paradise Directory Service

Deliverable M12

Monthly Report December 1997

ACTIVITY REPORT

1. OPERATIONS/HELPDESK

The NameFLOW-Paradise Directory services ran satisfactorily during December, with one scheduled outage outside prime-time.

The following operational activities are noted:

- A query was received from the manager of the DSA `c=US@cn=Timberwolf`, concerning problems with replication from Giant Tortoise. On investigation it turned out that Timberwolf had an out-of-date root EDB file with the pre-February 1996 address for Giant Tortoise.

No major problems to report on the Helpdesk service. A summary of the Helpdesk tickets is attached in the Appendices.

2. OUTAGES

Tue December 16 06:50 - 08:28 (1hr 38mins)

All services unavailable; scheduled shutdown for power supply work

3. ISSUES

The FLDSA for Canada/`c=CA` has moved hosts, from a machine at Dalhousie University to one within the Esys Corporation. Mark Miller of Esys is now the country manager, taking over from John Sherwood at Dalhousie.

Dr. Leigh Hume, the country manager for Australia/`c=AU`, has temporarily handed that task to George Michaelson, a previous incumbent. Leigh is changing jobs.

InterNIC Directory and Database Services have given advance warning that from April 1st 1998 they will cease to operate several DSAs in the US, including the FLDSA `cn=Pied Tamarin`.

4. STATISTICS

Summaries of the service statistics are attached in the Appendices. Full statistics and world-root DSA hourly operations figures are available on the NameFLOW-Paradise info-server, under:

- <gopher://gopher.nameflow.dante.net/11/statistics/>

- <ftp://ftp.nameflow.dante.net/statistics/>

On the info-server, the individual statistics files for this month are:

- [helpdesk/tickets.Dec97](#)
- [DSA/stats.Giant-Tortoise.Dec97](#)
- [ldap/usage.Dec97](#)
- [DUA/usage.Dec97](#)
- [ftp/xferstats.Dec97](#)
- [gopher/usage.Dec97](#)
- [web/usage-9712.html](#)
- [DSA/operations/ops-hourly.Giant-Tortoise.Dec97](#)
- [DSA/operations/ops-summary.Giant-Tortoise.Dec97](#)

5. APPENDICES

1. [Helpdesk ticket list for this month.](#)
2. [DSA/LDAP summary statistics for this month.](#)
3. [DUA/Telnet summary statistics for this month.](#)
4. [FTP/Gopher info-server summary statistics for this month.](#)

APPENDIX 1 - Helpdesk ticket list for December 1997

NameFLOW-Paradise Helpdesk queries for : December 1997

```
-----
Reference      Status  Keywords
-----
971203.01     done   AU Request addition to FORUM mailing list
971204.01     done   AU Help with ldapd/DSA communication problem
971210.01     done   US Request addition to (OSI-DS =>) FORUM mailing list
971217.01     done   US Help with Quipu replication problem
-----
```

Notes

RFI is an abbreviation for "Request for information".

APPENDIX 2 - World Root DSA and LDAP summary statistics for December 1997

Summary of calls to DSA Giant Tortoise

From 0:12:37 on 30 nov to 23:47:40 on 30 dec

No. of binds	local	remote
Anonymous	0	15
Unauth name DAP	0	0
Unauth name DSP	0	2546
Simple	459	0
Protected	0	0

No. of operations		
Reads	7	134
Compares	0	0
Lists	4	26
Searches	2	536
Modifies	0	0
ModifyRDNs	0	0
Adds	0	0
GetEDBs		0 (+ 35780 slices)

System usage (calls received)

Binds by Directory technicians	459
Reads of DSA entries	54
Other ops on DSA entries	0
Getedb operations	0 (+ 35780 slices)
Spot shadows	79

LDAP usage

LDAP usage from Dec 1 1997 to Dec 31 1997

Connections: 26683
Total connect time: 750906 seconds (208 hrs 35 mins 6 secs)

Connections by domain

Domain	Connections
uk	25072
unresolved	589
com	316
cl	182
others	524
Total	26683

APPENDIX 3 - Public DUA/Telnet summary statistics for December 1997

Attempted DUA usage

Calls to the Directory Service - December 1997

Notes:

Calls from PSS do not log the username so dua is assumed. Since the public-access DUA was withdrawn in February 1996, these figures measure attempted rather than actual use.

	PSS	Internet	Total
	---	-----	-----
dua	0	336	336
de	-	13	13
testdua	-	0	0

			349

TELNET connections

Telnet connections and DUA logins from Dec 1 1997 to Dec 31 1997

Note: Each connection does not necessarily correspond to a login, either as a Directory Enquiries user, or as any other user

Connections: 1305 Logins: 349

Top ten connections by domain

Domain	Connections
-----	-----
unresolved	355
edu	289
net	140
com	106
dz	78
de	76
uk	71
us	36
ca	21
nl	14
-----	-----
Total	1186

Top ten DUA logins by domain

Domain	Logins
-----	-----
edu	99
unresolved	52
net	47
uk	29
dz	22
com	22
de	15
us	6
nl	6
ca	6
-----	-----
Total	304

APPENDIX 4 - FTP/Gopher info-server summary statistics for December 1997

FTP server

TOTALS FOR SUMMARY PERIOD Mon Dec 1 1997 TO Wed Dec 31 1997

Files Transmitted During Summary Period	143
Bytes Transmitted During Summary Period	44326221
Systems Using Archives	0
Average Files Transmitted Daily	6
Average Bytes Transmitted Daily	2014828

Gopher server

Gopher usage from Sat Dec 6 1997 to Mon Dec 22 1997

Total connections:	2
Total files retrieved:	14