

Message Exchange for Social Care and Health (MESH)



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Information and technology
for better health and care

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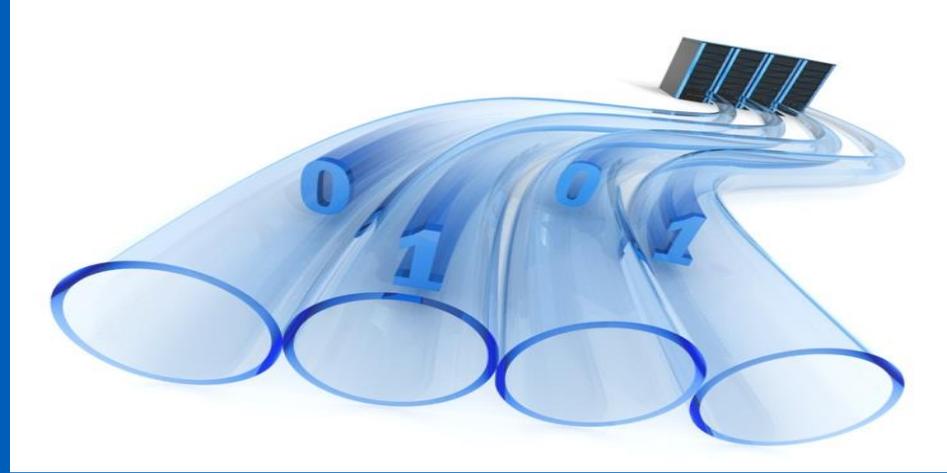
What is MESH?



- MESH is a secure application-to-application messaging service
- Message Exchange for Social Care and Health
- NHS Digital developed and managed service
- Functional replacement for DTS
- Use of robust, secure and modern Spine Core infrastructure
- Available on N3 and Internet

Key facts about MESH

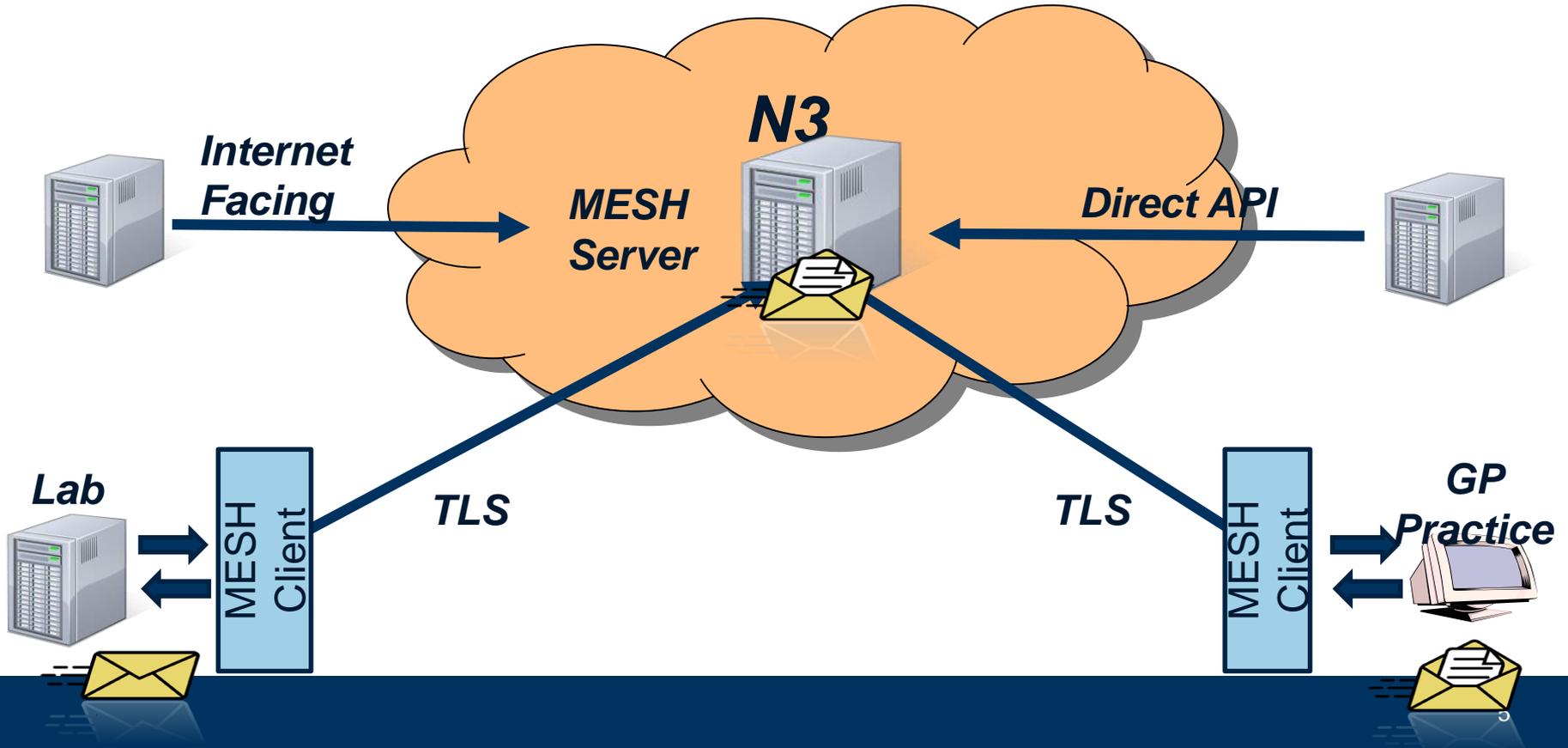
- 15+ million messages exchanged every month
- 6500 active accounts
- 9000+ organisations
- NHS Digital Service
- Use of robust, secure and modern Spine infrastructure
- Expanded uses to new areas



How does MESH work?

- Messages comprises
 - Control (.ctl) file – addressing information
 - Attachment (.dat) file – renamed attachment
- Maximum file size up to 100MB
- MESH client controls delivery
 - Polls MESH mailbox
- Simple delivery mechanism
 - Out folder for sending
 - In folder for receiving
- Delivery/non-delivery reports generated

MESH – How it works



Introducing the MESH client

- Java based client (JVM 1.7)
- SSL mutual authentication using Java Keystore
- Supported on Windows server and client, Linux, Solaris, SCO, AIX, HP-UX
- Wizard-based installation
- Automatic Updates
- Command-line support
- Can be run as a Windows service

MESH Server API

- New feature with MESH
- HTTP based API
- Enables suppliers to integrate directly with MESH
- Replaces MESH/DTS client
- Specification available

MOLES

Message Tracking - Search Results

Results

Refine Search Export

Show 50 entries Search:

Message ID	Transfer Time	Originator	Recipient	Local ID	Status
2015092809141072165470c9915	28-Sep-2015 10:14:01	abc123hc	xyz999gp	1c260fee-9877-4928-87fb-a0d540348f7b	accepted
2015092809141072165470c9914	28-Sep-2015 10:14:01	abc123hc	test004	1c260fee-9877-4928-87fb-a0d540348f7b	accepted
2015092809141072165470c9913	28-Sep-2015 10:14:01	abc123hc	test003	1c260fee-9877-4928-87fb-a0d540348f7b	accepted
2015092809141072165470c9912	28-Sep-2015 10:14:01	abc123hc	test002	1c260fee-9877-4928-87fb-a0d540348f7b	accepted
2015092809141072165470c9911	28-Sep-2015 10:14:01	abc123hc	test001	1c260fee-9877-4928-87fb-a0d540348f7b	accepted

Showing 1 to 5 of 5 entries Previous 1 Next

- MESH OnLine Enquiry Service (MOLES)
- Functional replacement for DTS Registration and Tracking Service (RATS)
- Smartcards required to access the service
- User/organisation administration
- Message Tracking, Trading Partner Report, Mailbox Lookup, API

MESH Roadmap

- MESH client support for larger files using file chunking (20Gb)
- MESH Endpoint Lookup to support eDischarge
 - Web interface to find MESH mailbox
 - RESTful API interface available
 - Initially ODS Code and WorkflowId (message type)
 - Expanding to NHS Number and D.O.B
- Demographics Query/Response – replacement for DBS

MESH User Interface

The screenshot displays the MESH user interface for a mailbox. At the top, the NHS logo and the text 'Messaging for Social Care and Health' are visible, along with the user's name 'RUPALI RAUT'. The mailbox name is 'TEST MAILBOX 1 [XYZ999GP] [OT]'. Below the mailbox name, there are tabs for 'Inbox' (with 3 items) and 'Sent'. A search bar is present above a table of messages. The table has columns for Mailbox Name, Type, Received On, and Expires On. The messages include 'Delivery Report' entries for 'Assessment Notice Accept Response' and 'Discharge Notice', and a 'Test Mailbox 1' entry for 'TOC_DISCH_DMS'. A 'New Message' button is located in the top right corner of the mailbox view.

Mailbox Name --	Type --	Received On --	Expires On --
Delivery Report	Assessment Notice Accept Response	22 Sep, 2016 16:16	27 Sep, 2016 16:16
Delivery Report	Assessment Notice Accept Response	22 Sep, 2016 16:13	27 Sep, 2016 16:13
Delivery Report	sent from Hospital systems to GP systems	22 Sep, 2016 16:01	27 Sep, 2016 16:01
Delivery Report	Discharge Notice	22 Sep, 2016 15:56	27 Sep, 2016 15:56
Test Mailbox 1	TOC_DISCH_DMS	22 Sep, 2016 15:54	27 Sep, 2016 15:54
Delivery Report	PATH0001	13 Sep, 2016 12:35	Today at -119:33

Summary

- Simple interface for sending/receive messages
- Live now – handles 15m+ message per month
- Different client solutions available
- 24x7 support
- Planned roadmap of product develop

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<https://www.digital.nhs.uk/messaging-exchange-social-care-health>



Questions