



Introducing LDC Via (ICON UK)

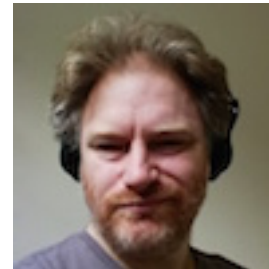
# Who are we?



Ben Poole



Julian Woodward



Mark Myers



Matt White

We're all Domino developers, and we've all been in this community for many, many years.

Typical projects now include legacy Domino, XPages, general web, .NET, Java and node.js development

# What's the problem?

Over the last 18 months we've seen a change in what our clients are doing.

Generally, organisations proceed down one of two paths:

1. Sunsetting their Domino infrastructure or;
2. Investing in their Domino environment

# Path 1: sun-set

Some organisations are retiring, or “sun-setting” their Domino infrastructure.

This leaves them with a couple of questions:

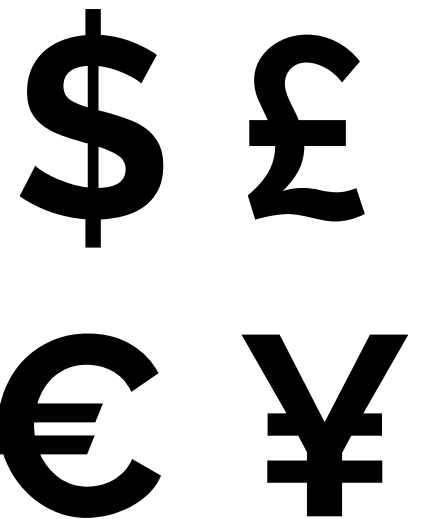
1. Where to store their data (archive or active)?
2. How to access said data



## Path 2: invest

Increasing investment in Domino. This can mean either:

- Simply reinstating maintenance contracts, or;
- Actively investing in the platform: LDC Via can assist with expansion points, addressing “issues of popularity” and so on.





## Where we come in

We can help all types of Domino customer:

- LDC Via can act as a **“live archive”** to speed up Domino applications in use
- LDC Via can be used to **migrate entire database suites**, retaining **document level security** as required
- LDC Via can be used to **create brand new applications**, and can also **extend existing ones**
- LDC Via can be used to **surface selected parts of corporate applications** on the internet

A report from Gartner last year, ***Identify and Select Alternatives for Legacy IBM Notes / Domino Applications***, promotes five options, some of which may be usefully combined:

- A. “Webify” older Notes applications
- B. Automatic code conversion
- C. Business Process Management (BPM) suites
- D. Commercial Off-The-Shelf (COTS) solutions
- E. Rebuild on third-generation environments



# What is LDC Via? (1/2)

A **data migration utility** (cloud or desktop) that will migrate Domino data with very high resolution. This includes:

- Rich text
- File attachments
- Response hierarchies
- Document level security
- Document-based (NoSQL) data store, schema-less





# What is LDC Via? (2/2)

- A web interface to **query and view your data**
- Comprehensive administration **interface**
- Standard application **templates**
- **LDC Via Lens**
- A **rich API** that allows you to write applications that use your data
- An API that implements **document level security**



# How does it work?

Demo time

# Migrating your data: options

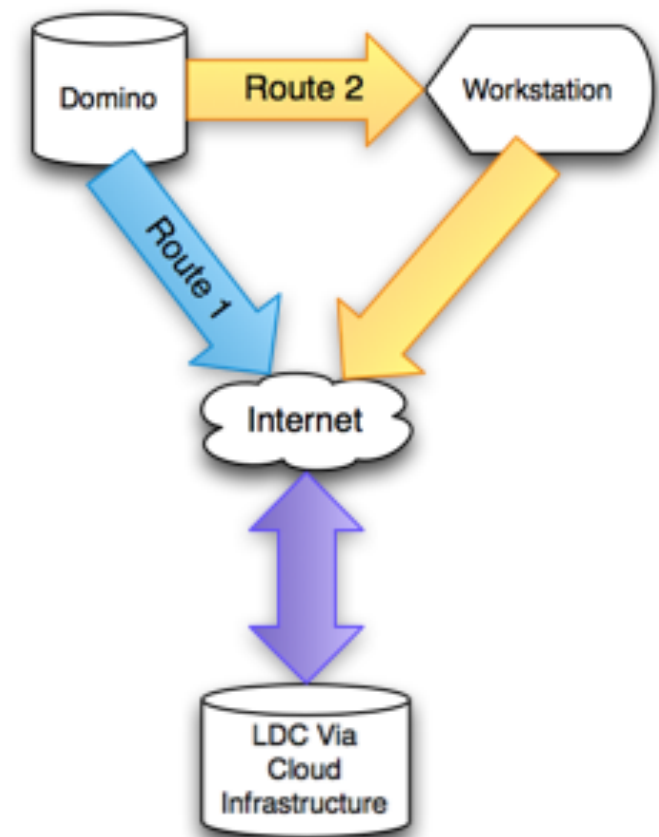
## 1. Cloud

Our website has a migration utility for you to use.

Your Domino server must be internet-facing with Domino Data Service enabled.

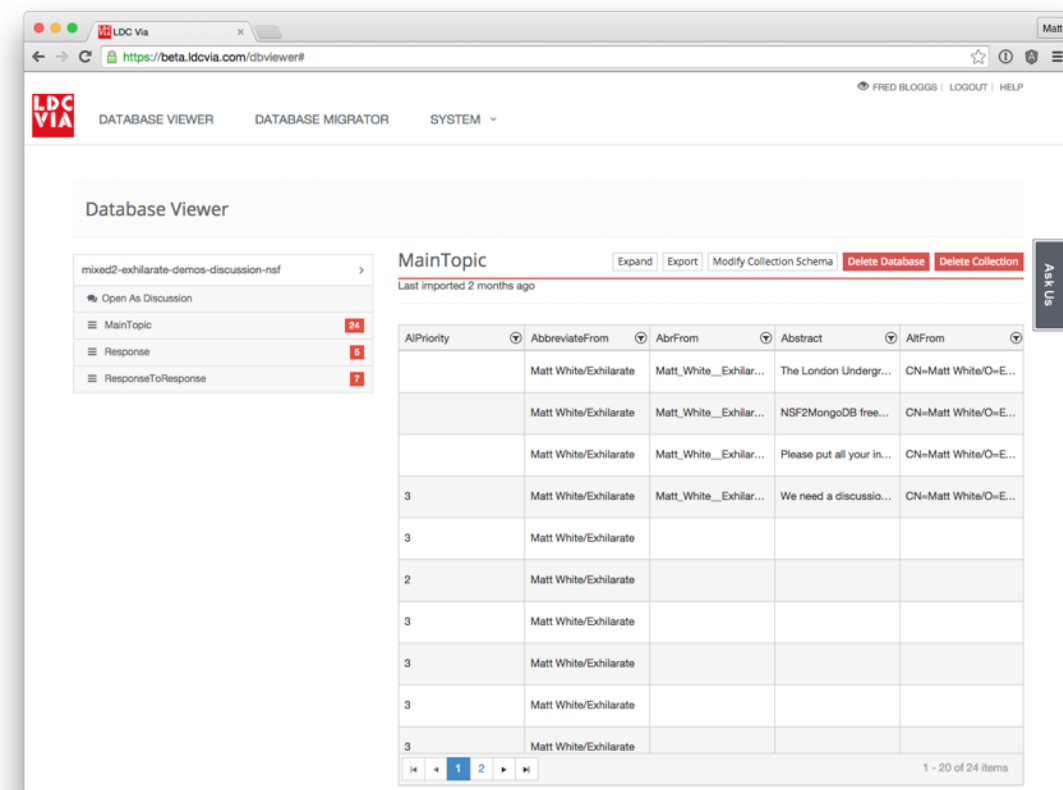
## 2. Behind the firewall

If you don't have this, then we offer a Java-based desktop migration utility that can run from any workstation with the Notes client installed.



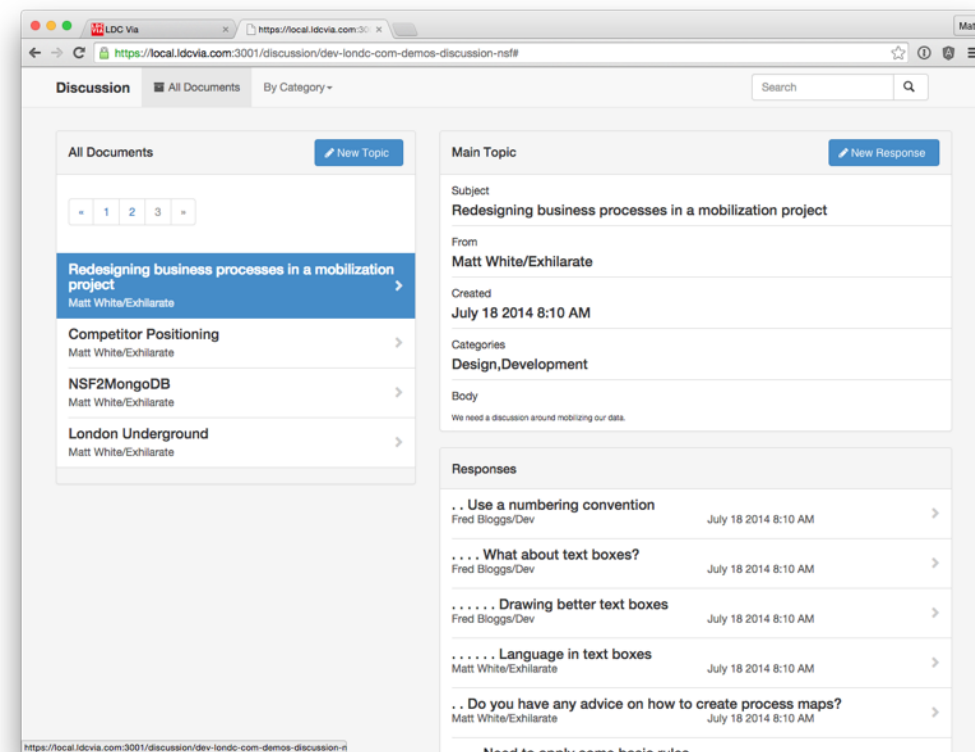
Once your data is in LDC Via, you can use our portal to administer it

- Document Security
- User Management
- Audit Trails
- Account Management



When you migrate Domino data, we can identify some of the most popular Domino database templates:

- Mail (read only)
- Discussion
- Teamroom
- Document Library



We can also create custom templates

We use leading web technologies such as AngularJS, backbone.js and Bootstrap to create our templates.

We also work closely with Teamstudio to use their XComponents framework—XComponents allows developers to create apps very quickly with minimal coding.

Of course, you can choose whatever technologies you prefer.

All of our standard templates are developed using our REST API, so whatever we can do, you can do. We have demo apps and / or code-snippets using our API in:

- jQuery
- backbone.js
- AngularJS
- XPages
- knockout.js
- .NET
- node.js / Jade / Express.js

*... anything that can make  
network calls will work!*

We've spent a long time on documentation at <http://api.ldcvia.com>

The screenshot shows a web browser window displaying the 'Collections' section of the LDC Via API Reference. The page has a dark sidebar on the left with a search bar and a list of navigation items: Introduction, Authentication, Databases, Collections (highlighted), Get All Collections in a Database, Get All Documents In a Collection, Delete entire collection, Search in a collection, Documents, File Attachments, Meta Data, User Details, Access Control, Utilities, Audit Trail, Errors, and a link to 'Sign Up for a trial account'. The main content area is titled 'Collections' and contains the following sections:

- Get All Collections in a Database**  
Given a database name, this method will return a list of all collections in the database along with a count of documents in each collection.  
The counts of the documents have document level security applied to them, so if there are 100 documents in the collection but the user can see only 10, then the count will be 10.
- HTTP REQUEST**  
`GET http://example.com/1.0/collections/:database`
- URL PARAMETERS**

Parameter	Description
:database	This is the unique name of the database which can be accessed using the databases service

On the right side of the page, there are tabs for 'java' and 'javascript'. The 'javascript' tab is active, showing a jQuery AJAX call example:

```
var root = 'https://example.com';
var apikey = 'MYSECRETAIPIKEY';
$.ajax({
  dataType: 'json',
  type: 'GET',
  url: root + '/1.0/collections/' + dbname,
  headers: {
    'apikey': apikey
  },
  success: function(res) {
    console.log(res);
  }
})
```

Below the code, a note states: 'The above command returns JSON structured like this:' followed by a JSON response example:

```
{
  "collection": "Response",
  "count": 5
},
{
  "collection": "ResponseToResponse",
  "count": 7
},
{
  "collection": "MainTopic",
```



## **1. On-premises**

We are currently working on a virtual appliance that will allow you to run the full LDC Via stack inside your firewall. Let us know if you're interested in this as we will be looking for people to help define the offering!

(In the meantime, we offer “Dedicated” and “Enterprise” plans, tailored for organisations, in addition to our standard off-the-shelf plans).

## **2. Technology**

- Organisational integration is very much on the radar (SSO, SAML, OAuth)
- LDC Via Lens will continue to develop
- Dev Hub is about to go live

- Our site: <http://ldcvia.com>
- Our blog: <http://blog.ldcvia.com>
- Gartner on IBM Notes migrations: <https://www.gartner.com/doc/2819219/identify-select-alternatives-legacy-ibm>
- Teamstudio XComponents: <http://www.teamstudio.com/solutions/xfoundations/xcomponents>
- Teamstudio on LDC Via: <http://www.teamstudio.com/blog/an-introduction-to-ldc-via>

*Check out Matt's presentation on **node.js for Domino developers**: 4pm, in this room*

*Come to our stand and if you're lucky you might get some **cake***