



Case Study

Data Migration and Zenator Systems



Synopsis

- Over a 70-day period in spanning 2016 into 2017, data migration (DM) from the incumbent software product to *Zenator* was successfully performed for a total of 357 “live” projects.
- The work was performed remotely from our office in Belfast, Northern Ireland involving a team of up to four technical specialists.
- DM work was performed under the terms of our contract.
- DM on the scale undertaken in this Contract is unprecedented and unique.

Process

- We worked in very close coordination with the customer throughout the entire process of DM, from start to finish.
- A test server was setup in a DMZ outside the normal corporate network, so could only be accessed by individuals with the highest level permissions.
- A copy of the single database containing all the “live” projects was produced on the test server.
- The copy of the existing “live” database was created by the incumbent software product.
- Permission was granted to four individuals from Belfast for remote access to the test server.
- Initially we mapped the database, then quantified the data and documentation status of the information contained.
- We then had to test to verify the accuracy of our assumptions and mapping.
- We performed DM by batch population to meet agreed milestones and key dates.
- We developed a model that could actually populate all “live” projects into a single database in one operation.
- Each “live” project was made aware of the planned DM date for their project and “possession” for a limited period (usually 24 hours) agreed.
- We chose to perform DM in a small number of prioritised batches.
- Four batches from Priority 1 to Priority 4 were created, each of roughly one hundred projects, but in the event, a total of eight batches were created into smaller numbers, with batches seven and eight making a total of 15 projects.
- Each “live” project would be “off the air” for the period of possession while DM to *Zenator* took place, then on successful completion the already trained users would resume project tracking and reporting using *Zenator*.

Timeline

- March to May 2016 - defining requirements, performing customisation, by FAT in Belfast.
- June to August 2016 - site installation, UAT and training in customer offices.
- September 2016 – agreement reached with customer to perform DM remotely from Belfast on condition all government property was not copied externally and remained in-country, thereby not violating any local laws.
- November 2016 - the quantity of “live” projects determined and prioritised.



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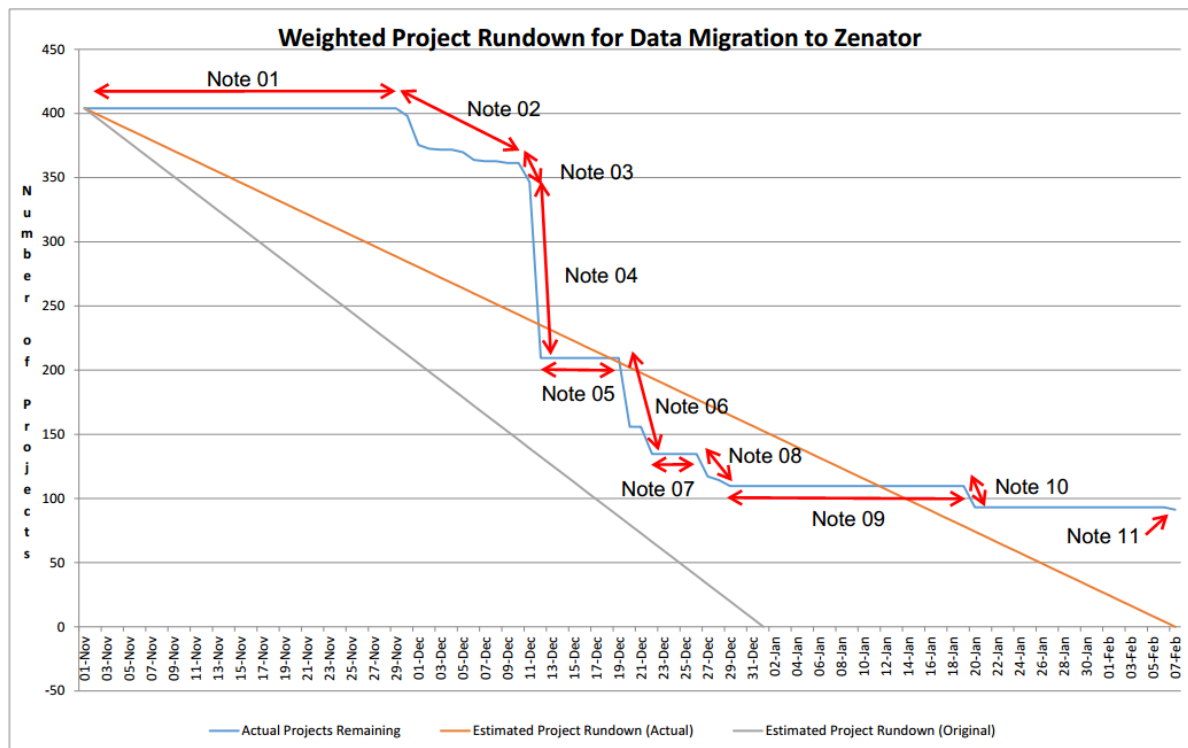


Achievements

- 3rd December 2016 - DM of the first “live” Priority I projects completed.
- 3rd January 2017 – DM completed, including work through Christmas and New Year holidays.
- 8th February 2017 – Customer verification completed.
- No project information (government property) left the country and no laws were violated.
- Summary of Major Node Types data migrated to Zenator.

Node Type	Counts
Project	357
System	2,908
Sub System	9,987
Tagged Item	208,844
Preservation Checksheet	28
A Checksheet	403,909
Change Management	1,484
Certificate or Notice	25,763
Punch List Item	26,111
B Checksheet	126,049
C Checksheet	36
Documents	609,665

Actual Progress





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The above chart shows the progress of a total number of 357 projects migrated over to *Zenator* during a period of 70 days from 27 November 2016 through to the 7th February 2017.

Note 01 – Delayed Period prior to Data Migration Commencement

Note 02 – Initial Data Migration Progress

Note 03 – First Bulk Batch

Note 04 – Follow-up Bulk Batches

Note 05 – Period of Inactivity Mid December

Note 06 – Follow-up Bulk Batches

Note 07 – Period of Inactivity UK Christmas Period

Note 08 – Follow-up Smaller Bulk Batches

Note 09 – Period of Inactivity through January

Note 10 – Final Projects

Note 11 – Final Projects

Unique Achievement

- DM on the scale undertaken in this Contract is unique and unprecedented.
- No competitor has done DM on anything like this scale.
- We completed the DM of 335 “live” projects over the first 35 continuous days and an additional 22 “live” projects over the next 35 days, making a total of 357 over 70 days.
- We have a verified map of the incumbent database that we can reliably use for future DM to *Zenator* on future projects.