

Migration

Moving your application to a more up-to-date environment

Key Features

- Platform upgrades and migrations
- Database upgrades and migrations
- PROIV version upgrades
- SuperLayer to PROIV upgrades
- Non-standard code rewritten
- Full testing of systems

Benefits

- Keep up-to-date with advancing technology
- SuperLayer applications no longer marooned
- Risk reduced
- Opportunity to combine upgrades
- New features fully utilised
- Existing code saved

The world and technology moves on, which is why PROIV users rarely stand still. To keep ahead in a fastmoving world they often update to the latest operating systems, databases, platforms and versions of PROIV.

To help users of PROIV and SuperLayer applications remain up to date, NorthgateArinso offers a range of migration services.

- Moving PROIV applications from one platform to another
- Moving PROIV applications from one database to another
- Upgrading from one version of PROIV to another
- Converting a SuperLayer application to a PROIV application

Although PROIV is at heart independent of platform and database - and versions of the tool are upwardly compatible - there are some specific features unique to individual environments. Through our migration services, we can recode for these idiosyncrasies and ensure that relevant features of the new environment are properly tuned and fully utilised.

Another key issue is that your application may include non-PROIV code. This code will also need to be migrated, replaced or rewritten. A good example is the batch applications on S/390s, for which code that is unique to this environment may well form part of the application.

Moving to a relational database may also require changes to the data structure. The move involves creation of the database and the data definitions, conversion of the data and population of the new database. Along the way, we can increase performance by introducing full-function SQL and running SQL in static mode. However, running in static mode requires additional processes within application development.

The sensitivity of the target environment to lax or non-standard code can also have an effect. What worked in a less sensitive environment may not work in a more sensitive one, especially if the particular coding construct is no longer supported.

Another area that we look at is the interfaces between the migrated application and other applications, particularly if you're migrating to another platform.

NorthgateArinso is also able to convert legacy SuperLayer applications into PROIV. This service brings users who are marooned on unsupported SuperLayer code back into mainstream development. It also gives them all the features of the latest version of PROIV.

Even if no coding changes are necessary, a migrated system should be fully tested. NorthgateArinso can help with testing and, if required, supply a full QA service (see Support and Development DataSheet).

After we've identified the migration requirements, we perform an analysis of the target application to find out which coding structures will fail to migrate successfully. To perform the analysis, we run utilities against the target application to identify areas for recoding. This process gives us the data from which we can establish estimates, timescales and costs.

Because conversions often require a complete system recompile, migration is a good time to think ahead to future modernisation requirements (see separate datasheet) such as multi-lingual, GULisation, Help etc. These processes also require a full recompile, so it makes sense to bundle them all within the one recompilation.

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