**Frequently Used**

* Many small volume clients concurrently accessing the API – lots of short lived sessions.
* External services requesting verification of card data.
* Using the web interface to review results of client searches.
* Creating new client configurations to facilitate searches.

**Intensively Used**

* Long running batch file processing, while the API processes routine load.
* Few large clients accessing the API – long lived sessions on one webserver.
* Internal services requesting verification of bank and credit search data, intensively using internal network.

**Business Critical**

* Batch file processing is an entry point for many clients, who subsequently transition to the API.
* Replicating to the billing server with the correct data per client to bill correctly.

**Legal**

* Storage of personal data – this should only be kept for a certain amount of time
* Replicating to the billing server with the correct data per client to bill correctly.
* Storage of card data – audit data and search results need to obfuscate card security data.

**Obvious**

* Complex load balancer routing for certain clients, measure any performance penalty and effectiveness of redirection logic.
* Synchronisation of both databases – test to measure the replication rate under load to expose information about potential discrepancies.
* Batch processing cannot be completed in a load balanced way, therefore all testing of client interaction should include this.

**Technically Risky**

* The batch file processor is written in Perl, the rest of the Web apps in php. Limited support/expertise may exist.
* Web interface is older and receives less attention than the API, still in a ‘proof of concept state’ in many instances.
* Database failover mechanism may have had less testing than desired to get it live and become compliant.

**Stakeholder Mandated**

* Batch file processing is an entry point for many clients, who subsequently transition to the API – used as a sales tool to get new clients running quickly.
* Compliance stakeholders prioritise keeping card data safe and remaining Payment Card Industry compliant – crucial to remain trading…