

# Case Study: Advanced Backup System for VisionWorks Solutions (Canada)

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## VisionWorks Solutions: Client Profile

VisionWorks Solutions Inc. (VWSolutions), founded in 2003, offers proven and cost-effective backup and related technologies. VWSolutions' target markets include businesses of all sizes with a special emphasis on small-to-medium sized business in all industries.

Deployed on over 200,000 computers worldwide, the company delivers innovative backup solutions that encompass ease-of-use, value and performance to thousands of customers including several Fortune 500 companies. With over 20 OEM backup companies using its technology, VWSolutions is the choice for robust open file management and laptop security tools.

## The Situation:

VisionWorks Solutions had a backup solution that had got a good market response. According to the customer requests, the team prepared a list of product improvements and new features, in particular features of backup and restore of various data types, including databases and locked files. Also, it was planned to integrate some advanced technologies, like VSS (Volume Snapshot Service or Volume Shadow Copy Service or Shadow Copy).

## The Problem:

At that moment, the Client did not possess sufficient in-house resources to develop the project quickly and efficiently while already had positive experience of working with Apriorit.

The plans supposed to include files of various types into the backup scope, and each of them required its own approach.

Besides, it required an intensive work with 3<sup>rd</sup>-party APIs, which were poorly documented in most cases. So, project required heavy research.

## The Solution:

Apriorit formed a team of 3 developers and 1 full-time QA specialist. The basic architecture was decided to be a plugin-based one where each file type had its own plugin.

During the project term, tens of plugins were added to the solution. The terms of work on each of them depended on the task specifics and it could be from 1 week up to 1 month and a half.

One of the important product improvements was VSS technology integration. This tool is now used in all leading backup systems.

Each developed plugin had its specific technical aspects and set some interesting tasks for development team. For example, there were developed backup and restore tools of 2 levels for MS Exchange database:

- ◆ Database level (using MS Exchange tools);
- ◆ Brick level (by separate emails).

This task required heavy research work.

Among other interesting tasks, we can name backup and restore of MS Access databases, chat logs; plugin system synchronization.

## The Impact:

Initially chosen plugin strategy allowed the team to build work around small and big releases, thus making the process more predictable. When a new plugin was integrated, a small internal release appeared; a certain range of improvements resulted in a new product version. VisionWorks Solutions fully satisfied its customers' needs with new releases and quickly got market response.

The development plans were corrected in accordance with the customer feature requests. Each new product version release caused the sales growth. This backup and restore product is still interesting for the customers and drive stable revenue to the Client.

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## What's next?

Get the **free estimation** of time and effort for your project! After initial research, we'll provide you with the basic task dropdown and estimates indicating approaches and tools we can use to save your budget.

All we need is a brief project description sent to the [info@apriorit.com](mailto:info@apriorit.com) with "RFP" mentioned in the subject.

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The logo for Apriorit Inc. features the word "apriorit" in a lowercase, italicized sans-serif font. The letters "a", "p", "i", "o", and "r" are green, while the letters "i", "o", "r", "i", and "t" are orange. The two "i"s are positioned such that they appear to be part of the same color group as the letters they follow.