



**Clear**vision

Teranet Case Study

[clearvision-cm.com](http://clearvision-cm.com)



**Teranet slashes code development costs and improves efficiency.**



## Executive summary

<b>CLIENT</b>	<a href="#">Teranet</a>
<b>INDUSTRY</b>	State/Provincial Government Registry Systems
<b>LOCATION</b>	Canada
<b>SOLUTION</b>	Integrated Gerrit/Git and Jira deployment, ClearCase/ClearQuest migration, and end-user training/transition planning and delivery.
<b>CHALLENGE</b>	<ul style="list-style-type: none"><li>• An outdated, unwieldy source code version management system and manual code review process was creating delays in the development phase.</li><li>• Developer productivity and efficiency levels were being affected.</li><li>• Git expertise were needed.</li></ul>
<b>SOLUTION</b>	<ul style="list-style-type: none"><li>• Adoption of open source Git DVCS and Gerrit Code Review tools.</li><li>• Clearvision guidance and consultancy.</li><li>• Use of Clearvision's CMBridge tool to support the ClearCase to Git migration process.</li><li>• Clearvision Git, Gerrit, and Jira training.</li></ul>
<b>RESULTS</b>	<ul style="list-style-type: none"><li>• Code revisions can be reviewed on screen without a manual process.</li><li>• Creating a local source code snapshot view/clone went down from 45-minutes to less than 5.</li><li>• Support and maintenance costs have been reduced.</li></ul>

# About Teranet

Teranet is an international leader and pioneer in electronic land registration systems and commerce.

Customers can perform searches, transfer title documents through search and registration capabilities, and perform many other functions in what is widely recognised as one of the most advanced, secure, and sophisticated land registry systems in the world.

Teranet develops business-to-government (B2G) and business-to-business (B2B) e-service solutions that enable organisations to enhance the services they provide. With a unique combination of capabilities and state-of-the-art systems, Teranet is at the forefront of delivering service potential in the land, legal, and financial services industries, as well as making the data of electronic government service delivery organisations accessible and of more value to them and their stakeholders.

## The challenge

Teranet, which owns and operates The Property Registry (TPR) in Manitoba and Ontario's Electronic Land Registration System (ELRS), relied heavily on the skills of its code developers responsible for maintaining the infrastructure that supports product development.

Historically, this included an IBM Rational ClearCase software configuration management solution for source code version control, workspace management, parallel development support, and build auditing.

"What we found was that ClearCase was very maintenance intensive," says Steve Brackenbury, Senior Systems Architect at Teranet.

"The development tools support team was spending a lot of time answering questions and patching. If we didn't keep the environment patched then IBM wouldn't provide support."

In addition, the ClearCase toolset was outdated with a Windows-based interface, and could not be integrated with the more modern tools that Teranet wanted to adopt.

"It was a prehistoric product and we wanted something that would fit nicely with the other tools we were using," Brackenbury comments.

**“We needed to know that we had a good, solid plan that would work. This is where Clearvision really excelled.”**

- Steve Brackenbury, Senior Systems Architect

## The solution

For years, Teranet considered moving from ClearCase and researched a number of other systems. "We looked at Subversion and some other commercial source code management products, but they came with a whole suite of additional tools we didn't need, and were quite expensive," recalls Brackenbury.

"They didn't really fit our long-term goal of having something simple to use and inexpensive to support, with a good knowledge base so we wouldn't have to hire consultants for configuration changes."

Amongst the tools Teranet tried were free open source tools: [Git](#), a popular distributed source code revision control and management system originally developed by Linus Torvalds to manage the Linux kernel, and Gerrit, a web-based Git repository access management and code review tool developed for and used by the Google Android project.

During a six-month trial, the development team asked management to formally introduce them across the organisation. Although they had selected a set of replacement tools for ClearCase and ClearQuest, Teranet faced the daunting task of migrating its development teams and associated in-flight projects to the new tools. They chose Clearvision experts because of their years of experience and vast expertise.

As a [Git migration expert](#) with experience in migrating from legacy tools like ClearCase, Clearvision was the obvious choice, providing a comprehensive Git migration service that:

- Saved time and avoided disruption to the development team.
- Was tailored to client needs with a scalable process matched to customer migration requirements.
- Was safe and effective, following a best-practice migration approach.



“What we liked about Clearvision was that it was a small shop with a ClearCase background. They knew the products well and could guide us on how to do this migration,” Brackenbury says. “At the time there wasn’t a known path. We needed a good, solid plan that would work. This is where Clearvision really excelled.”

## Now and in the future

Clearvision provides support to Teranet on a variety of tools, including Git and the Atlassian suite.

## Still using ClearCase, Subversion, or Perforce?

Join the hundreds of customers Clearvision Consultants have helped migrate.

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