



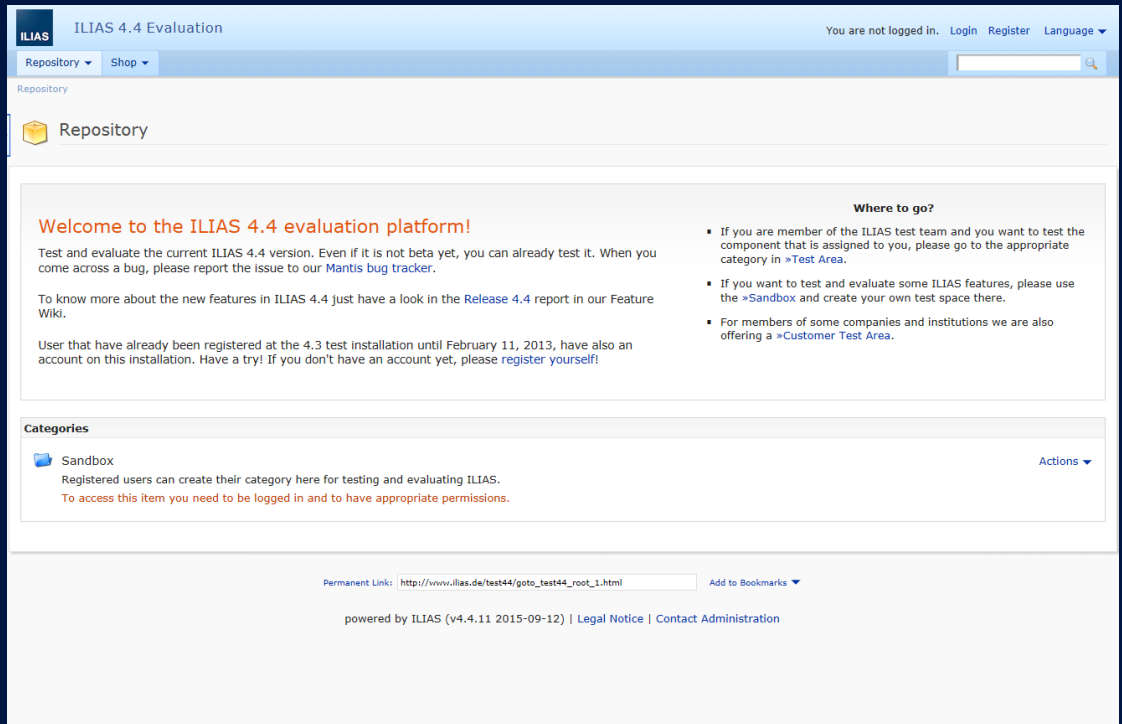
powered by ILIAS

The New LMS (Technical)

Remember Last Year?

We were ...

- Using Ilias Version 4.4
- Installed on a DEV server under our desk
- Planning out required infrastructure
- Confirming our tests about the possibilities of a “Course”

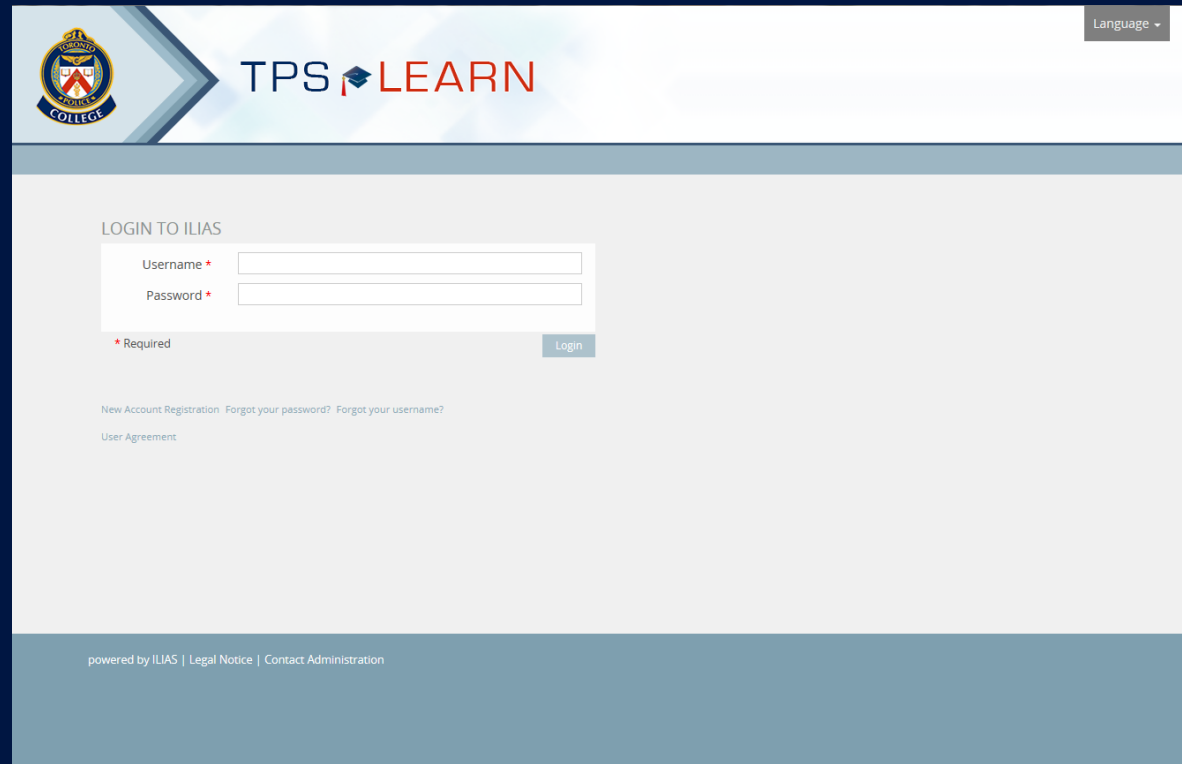


The screenshot shows the ILIAS 4.4 Evaluation platform interface. At the top, there is a navigation bar with the ILIAS logo, the title "ILIAS 4.4 Evaluation", and user options: "You are not logged in. Login Register Language". Below this is a secondary navigation bar with "Repository" and "Shop" menus, and a search box. The main content area is titled "Repository" and features a yellow folder icon. The central message reads: "Welcome to the ILIAS 4.4 evaluation platform!". It provides instructions on how to test and evaluate the current version, including a link to the Mantis bug tracker. It also mentions that users can view the "Release 4.4" report in the Feature Wiki and that users registered at the 4.3 test installation until February 11, 2013, have an account, while others need to register. To the right, under "Where to go?", there are three bullet points: 1. For ILIAS test team members, go to the "Test Area". 2. For testing and evaluating features, use the "Sandbox" to create a test space. 3. For some companies and institutions, a "Customer Test Area" is offered. Below this is a "Categories" section with a "Sandbox" category, a description for registered users, and a note that access requires logging in and appropriate permissions. At the bottom, there is a "Permanent Link" field with the URL "http://www.ilias.de/test44/goto_test44_root_1.html" and an "Add to Bookmarks" button. The footer indicates the platform is "powered by ILIAS (v4.4.11 2015-09-12)" and provides links for "Legal Notice" and "Contact Administration".



Well, We Did It!

- Ilias Version 5.0.4
- Anytime, Anywhere, Any Device
- Redundant Balanced Infrastructure
- Security Assessment Completed
- Stress Testing Completed
- Themes Created
- Plugins Developed and in Development
- Pilots are underway



Ilias Version 5

Open Source Community

ILIAS IS...

1. continually updating the CORE
2. keeping security certifications by NATO
3. adding 86 new functions in Ilias version 5.1
4. responding and interacting with the community through Mantis, GIT and Forums



"Ya, we got that!"

Any Device, Anywhere, Anytime



A New Infrastructure

2 Firewalls

Firewall

Firewall

Learners, Users & Malicious Attacks



Load
Balancer
SSL Encryption



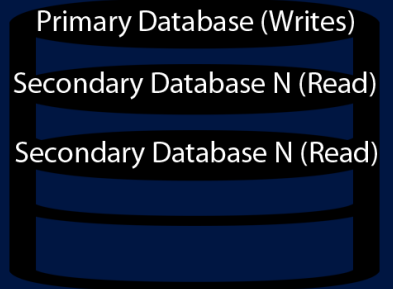
LMS Core

Web Server 1

Web Server (n)

Web Server (n)

Learner Data



Course Data

File Server 1

File Server (n)

Application Data

Application Server 1

Application Server 2



Security Assessment

Completed on
August 10th, 2015

Want more information?
Let us know!

Canadian Police Knowledge Network

Security Assessment

Adam W. Mosher – Bulletproof Solutions Inc.

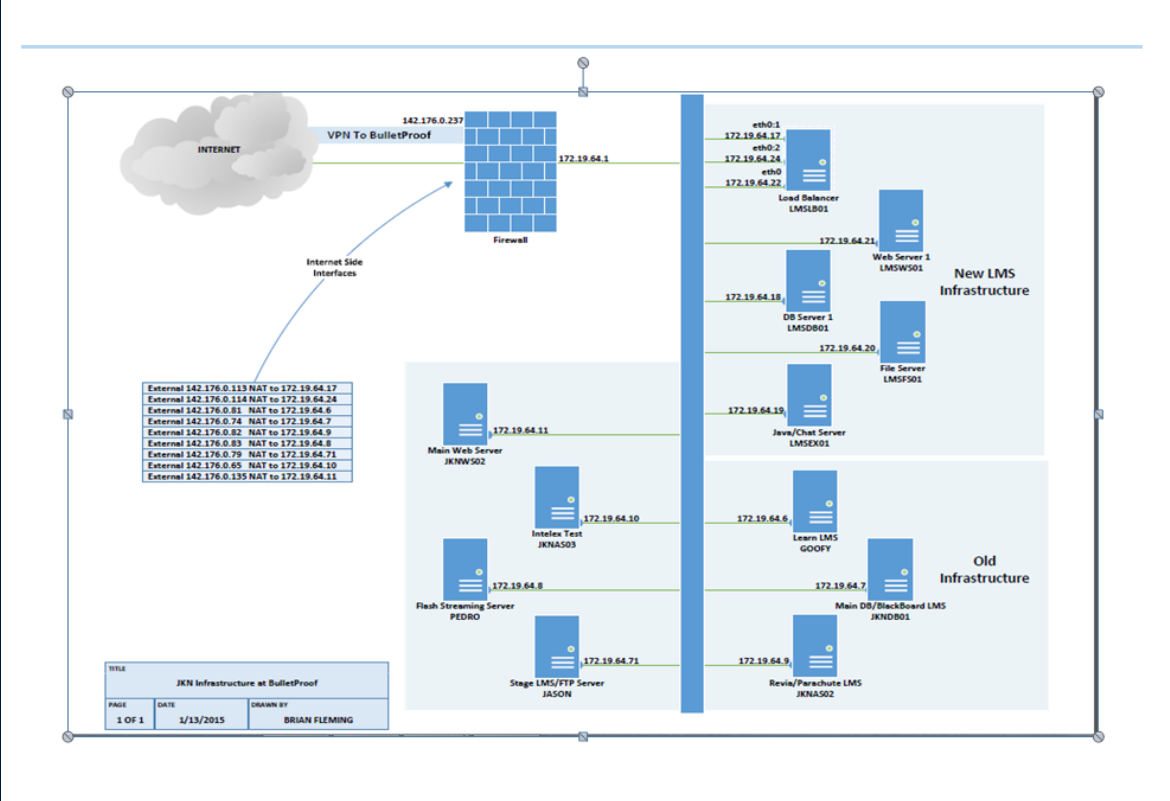
Chandan Bagali – Bulletproof Solutions Inc.

August 10, 2015



Stress and Penetration Tests

Infrastructure Tested



Security Assessment

Canadian Police Knowledge Network

Page 6 of 15
 Prepared by Adam W. Malher
 Owner



Themes Created

Each portal is branded according to your look and feel.

The screenshot shows the Canadian Police College portal. The header includes the Royal Canadian Mounted Police logo and the text "Gendarmerie royale du Canada". The main navigation bar has tabs for PERSONAL DESKTOP, REPOSITORY, ADMINISTRATION, and REPORTS. The current page is titled "EDPC 16-01" and includes a sub-header "Draft EDPC Build". Below this, there are tabs for Content, Info, Settings, Members, Learning Progress, Metadata, Export, Permissions, Reports, and Show Member View. A "SESSIONS" section shows a session from yesterday at 7:00am. A calendar for September 2015 is visible on the right. The footer mentions "COMBINE WRITING TOOLS AND APA FORMATTING INTO ONE FOLDER".

The screenshot shows the Canadian Police Knowledge Network portal. The header includes the logos for "CANADIAN POLICE KNOWLEDGE NETWORK" and "RÉSEAU CANADIEN DU SAVOIR POLICIER". The main navigation bar has tabs for PERSONAL DESKTOP, REPOSITORY, ADMINISTRATION, and REPORTS. The current page is titled "Report Users per Course" and includes a search bar for "SEARCH COURSES". A dropdown menu is open under the "REPORTS" tab, showing options like "Courses per User", "Users per Course", "Users per Test", "Courses per User, detailed", and "Users per Course, detailed". Below the search bar, there are "Apply Filter" and "Reset Filter" buttons. A table lists courses with columns for "Title" and "Path".

The screenshot shows the York Regional Police portal. The header includes the York Regional Police logo and the "United Way of York Region" logo. The main navigation bar has tabs for PERSONAL DESKTOP, REPOSITORY, ADMINISTRATION, and REPORTS. The current page is titled "York Regional Police" and includes a sub-header "A QA spot for York developed courses". Below this, there are tabs for Content, Info, Settings, Local User Administration, Export, and Permissions. A "COURSES" section lists two courses: "General Investigative Techniques (G.I.T)" and "Recruit Level 1 Training Program 03-2015". A "News" section shows "0 News Item(s)".



Plugins in Development

We can extend Ilias in any way you need. So far, we are working on:

1. Training Management System
2. Remote Authentication
3. Rubric Grading
4. Mark by Gradebook
5. Registrar Hook



Pilots Running

1. York Regional Police
2. Ottawa Police Service
3. Stratford Police Service

