

Privacy Impact Assessment - Möbius

1. Description of the Initiative

Science, technology, engineering, and mathematics (STEM) courses have their own requirements when it comes to online education. The Möbius platform was designed specifically to meet those needs. With engaging interactive applications, sophisticated plotting, free-response assessment questions, intelligent grading of responses, and more, the Möbius platform provides everything you need to take full advantage of online resources in math-intensive courses. The Möbius platform is built on Maple, the powerful math software from Maplesoft already in use at UNBC. Maple covers virtually every area of mathematics, including calculus, algebra, differential equations, statistics, linear algebra, and much more. It supports both symbolic and numeric computations, provides sophisticated 2-D and 3-D plots and animations, and includes a sophisticated programming language for developing scripts, algorithms, and interactive applications. The Möbius platform draws on all this mathematical power to generate and automatically grade assessment questions, create and display meaningful visualizations, and control the behavior of interactive explorations. With the power of Maple behind it, Möbius is uniquely positioned to meet the specialized needs of math-intensive teaching and learning. The Maple math engine is embedded in the Möbius platform. If you are a content author, you may find Maple useful, depending on the type of content being created. Through close consultation with the UNBC Math program over Spring/Summer 2021, the CTLT identified Möbius as the platform that could best meet their teaching and learning needs.

2. Scope of this PIA

This PIA has been developed with a focus on the privacy protection and security measures deployed by Möbius in the Canadian cloud environment. This includes use of Möbius by UNBC, its services and operational controls as it relates to Privacy, Security and Data Protection in British Columbia.

3. Related Privacy Impact Assessments

A full Higher Education Community Vendor Assessment (HECVAT) for Möbius is attached to this PIA as an appendix. The HECVAT is used to evaluate the

cybersecurity capabilities of technology products and provides each a letter grade based on factors such as application security, policies and systems management.

4. Elements of Information or Data

See Appendix 12: Identity and Access Management

5. Storage or Access outside Canada

See Appendix 10: Data Protection Policy

6. Data-linking Initiative

See Appendix 11: Data Flow Diagram

7. Common or Integrated Program or Activity*

See Appendix 12: Identity and Access Management

8. Personal Information Flow Diagram and/or Personal Information Flow Table

See Appendix 11: Data Flow Diagram

9. Risk Mitigation Table

See Appendix 5: Data Breach Policy

10. Collection Notice

See Appendix 10: Data Protection Policy

11. Please describe the physical security measures related to the initiative (if applicable).

See Appendix 10: Data Protection Policy

12. Please describe the technical security measures related to the initiative (if applicable).

See Appendix 2: Asset Management Policy

13. Does your branch/department rely on any security Policies?

See Appendix 13: Information Security Unit

14. Please describe any access controls and/or ways in which you will limit or restrict unauthorized changes (such as additions or deletions) to personal information.

See Appendix 2: Asset Management Policy

15. Please describe how you track who has access to the personal information.

See Appendix 12: Identity and Access Management

16. How is an individual's information updated or corrected? If information is not updated or corrected (for physical, procedural or other reasons) please explain how it will be annotated? If personal information will be disclosed to others, how will the public body notify them of the update, correction or annotation?

UNBC is able to update and correct information related to Mobius accounts.

17. Does your initiative use personal information to make decisions that directly affect an individual(s)? If yes, please explain.

No

18. If you answered "yes" to question 17, please explain the efforts that will be made to ensure that the personal information is accurate and complete.

19. If you answered "yes" to question 17, do you have a records retention and/or disposition schedule that will ensure that personal information is kept for at least one year after it is used in making a decision directly affecting an individual?

20. Does the initiative involve systematic disclosures of personal information? If yes, please explain.

No.

21. Does the program involve access to personally identifiable information for research or statistical purposes? If yes, please explain.

No.

22. Will a personal information bank (PIB) result from this initiative? If yes, please list the legislatively required descriptors listed in section 69 (6) of FOIPPA. Under this same section, this information is required to be published in a public directory.

No

ACTIVELY
INITIATIVE