

Introduction to XSEDE



Creator Name	Jie Tian
Content Title	Module 2 - 0. Introduction to XSEDE
Content Type	Lecture Slides
Part Of	Module 2: CyberGIS Platform and Software
Learning Objectives	<p>(for all of Module 2)</p> <p>By the end of the semester, the students will be able to:</p> <ul style="list-style-type: none">• Appreciate the value of CyberGIS in performing computationally intensive analyses on big geospatial data.• Get familiarized with the CyberGIS software ecosystem and competence using the gateway and the toolkit.• Re-think the classic geospatial analyses in the context of cyberinfrastructure and high performance computing.
Background Knowledge	<p>(for all of Module 2)</p> <ul style="list-style-type: none">• Concepts and terminology introduced in Module 1• Basic computer literacy

Resources Needed	(for all of Module 2) <ul style="list-style-type: none">• Linux Operating System• Cloudera Manager
Work Mode	(for all of Module 2) Watching the lectures and doing lab assignments
Relation to Project	(for all of Module 2) This module (estimated 20-25 hours) is designed to attract students who have taken Module I and would want to learn more practical knowledge and skills of CyberGIS.
Feedback Needed	(for all of Module 2) General feedback