



**IMS GLOBAL**<sup>®</sup>  
Learning Consortium  
Better Learning From Better Learning Technology<sup>®</sup>

# LTI Advantage

BETTER EXPERIENCES

at the

*SPEED OF NOW*

# LTI ADVANTAGE OFFERS BETTER



**Security** and Student Privacy



User **Experience**



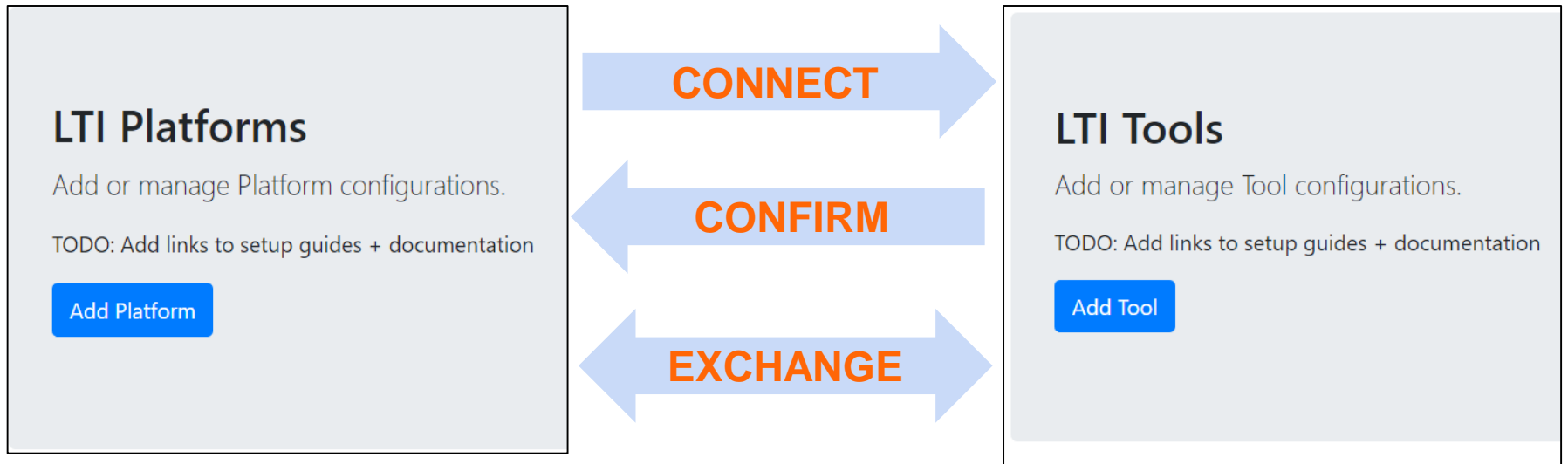
**Administration** and Controls



**Interoperability**

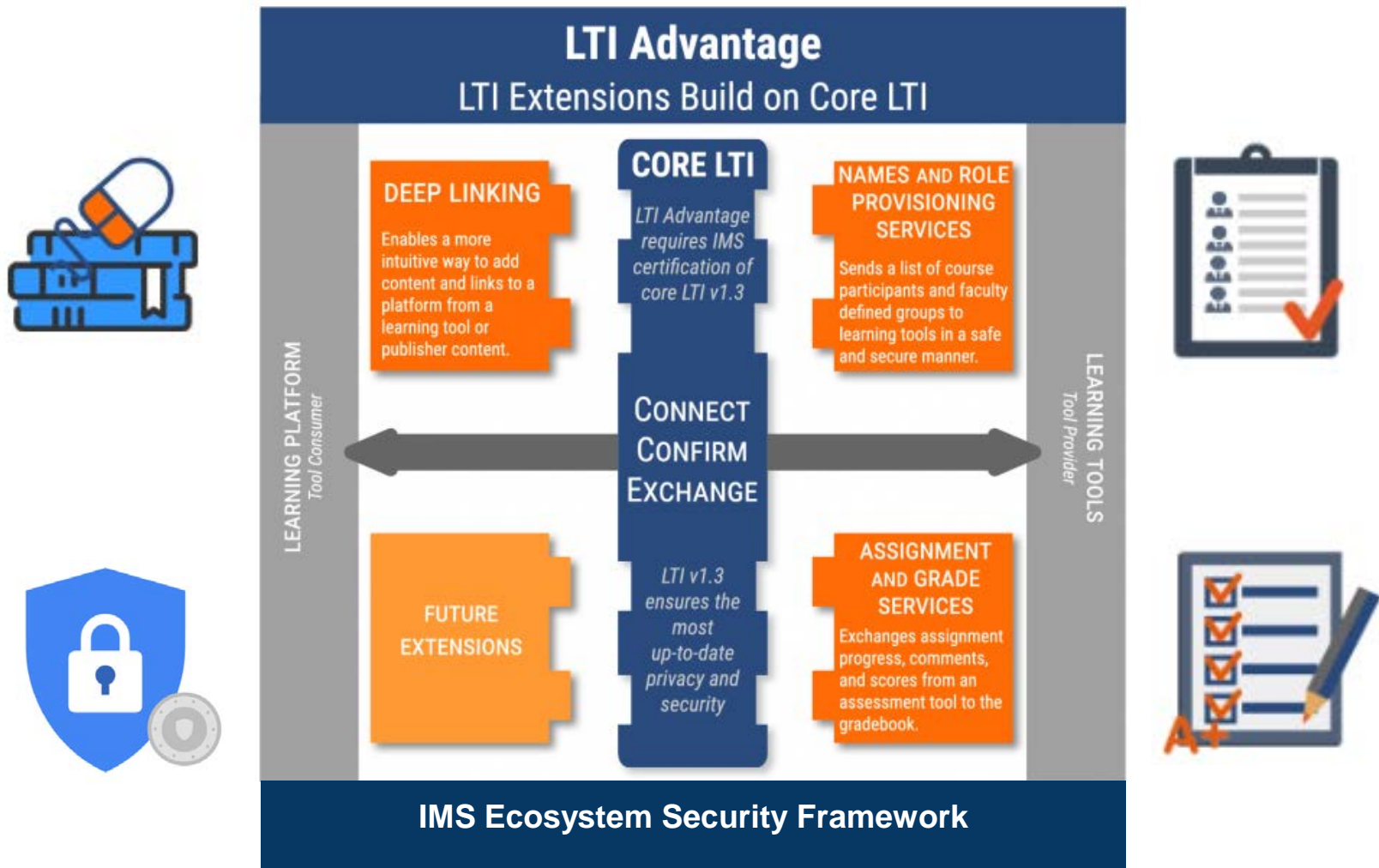
Securely **connect**, **confirm** and **exchange** with IMS-certified learning platforms, apps and tools.

# LTI ECOSYSTEM MODEL



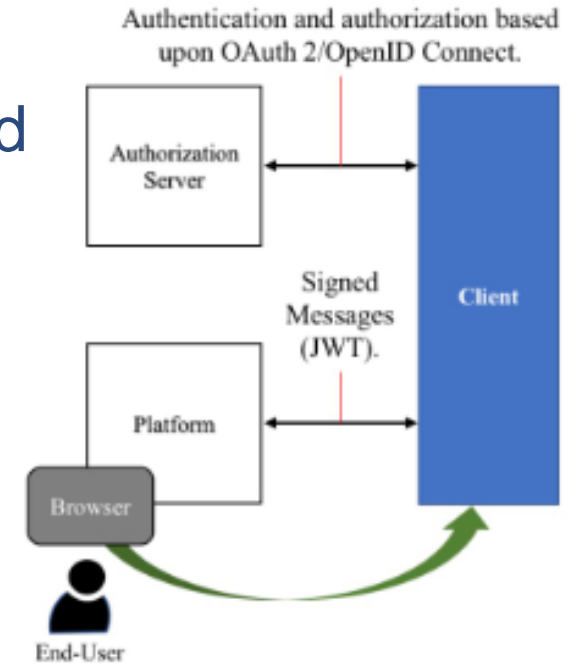
Securely and Quickly Connect to Apps and Tools

# LTI ADVANTAGE COMPONENTS



# SECURE STUDENTS PRIVACY AND DATA

- IMS-wide Security Framework based on industry best practices
- Public-private key infrastructure
- Encrypted, signed message
- Scope control - access claims have explicit permission



**Trust** your teaching and learning ecosystem

# BETTER USER EXPERIENCES

*Faster, More Efficient Course Building*



## DEEP LINKING

- Easily build lessons with targeted content
- Provide direct access to specific and relevant course objects deep into a learning resource
- Improved student experience
- Improve content traceability and data for intervention analytics
- More natural workflow between platform and learning object repositories

# BETTER USER EXPERIENCES

*Place the Learner at the Center*



## NAMES AND ROLES

- Communicate with and among classmates without exposing contact information
- Determine who is using classroom tools and resources, and who is not
- Supports exchange of groups

# BETTER USER EXPERIENCES

*Reclaim Time for Teacher Instruction*

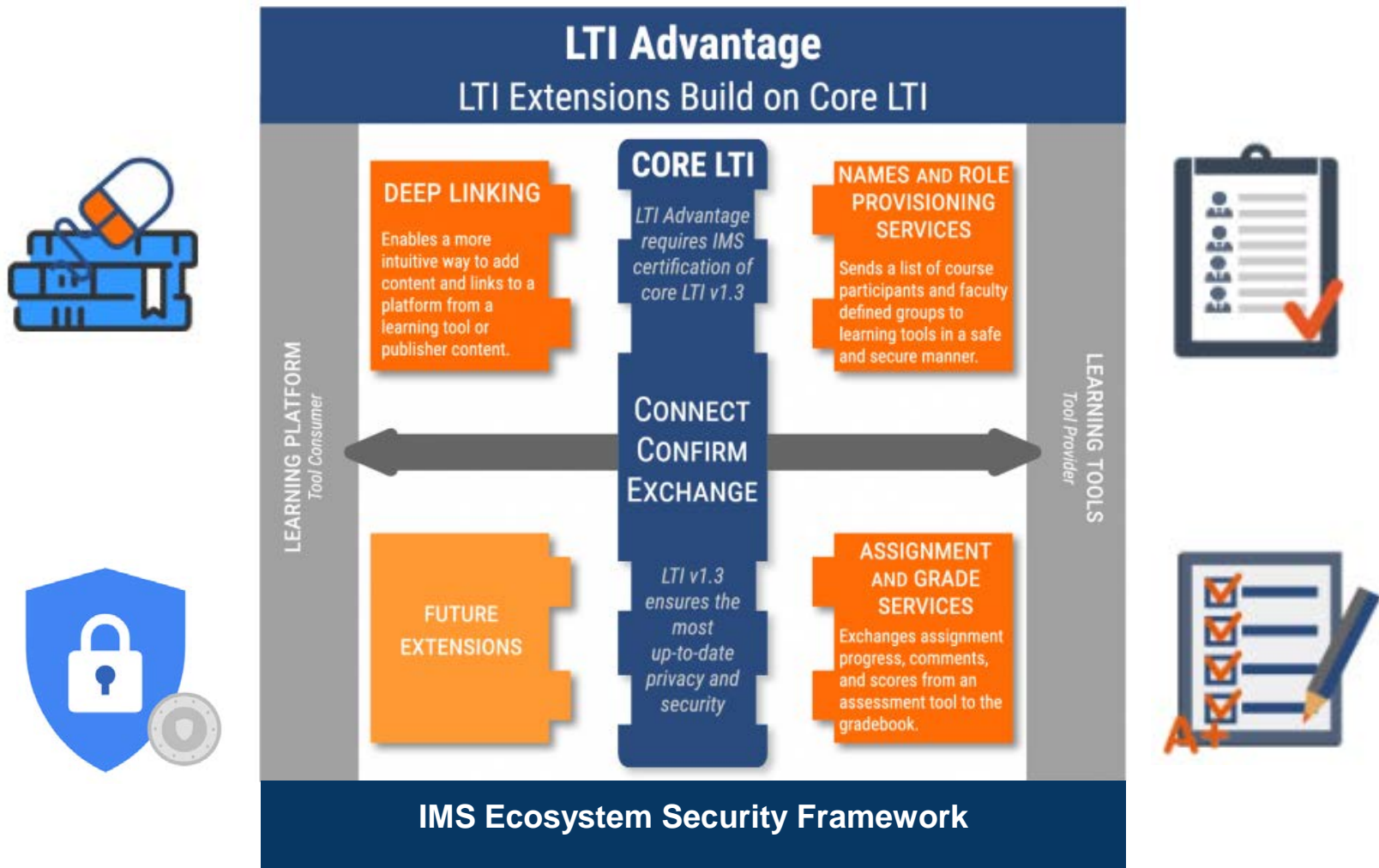


## ASSIGNMENT and GRADE SERVICES

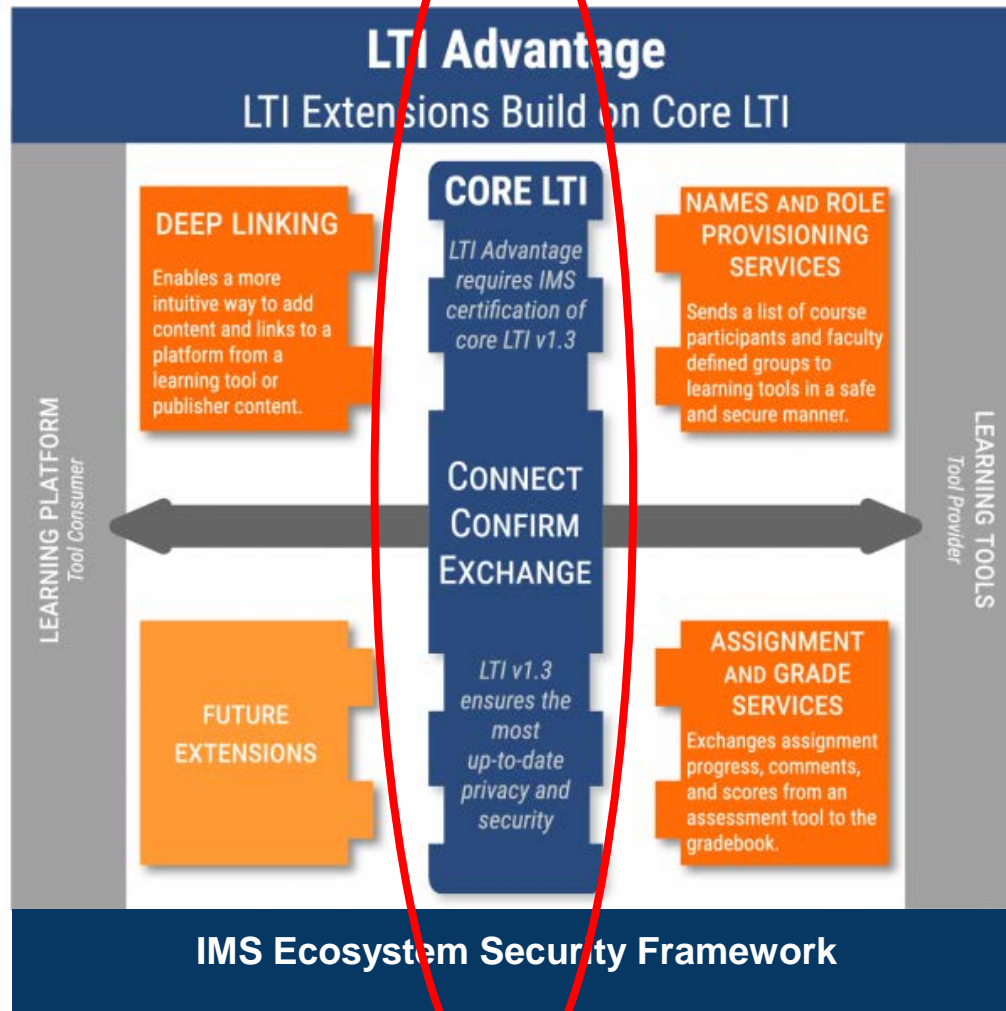
- Seamlessly sync assignments, scores and comments
- Report results beyond grades - progress and activity reporting from assessment tools
- Reduce clicks and eliminate duplicate data entry managing grades



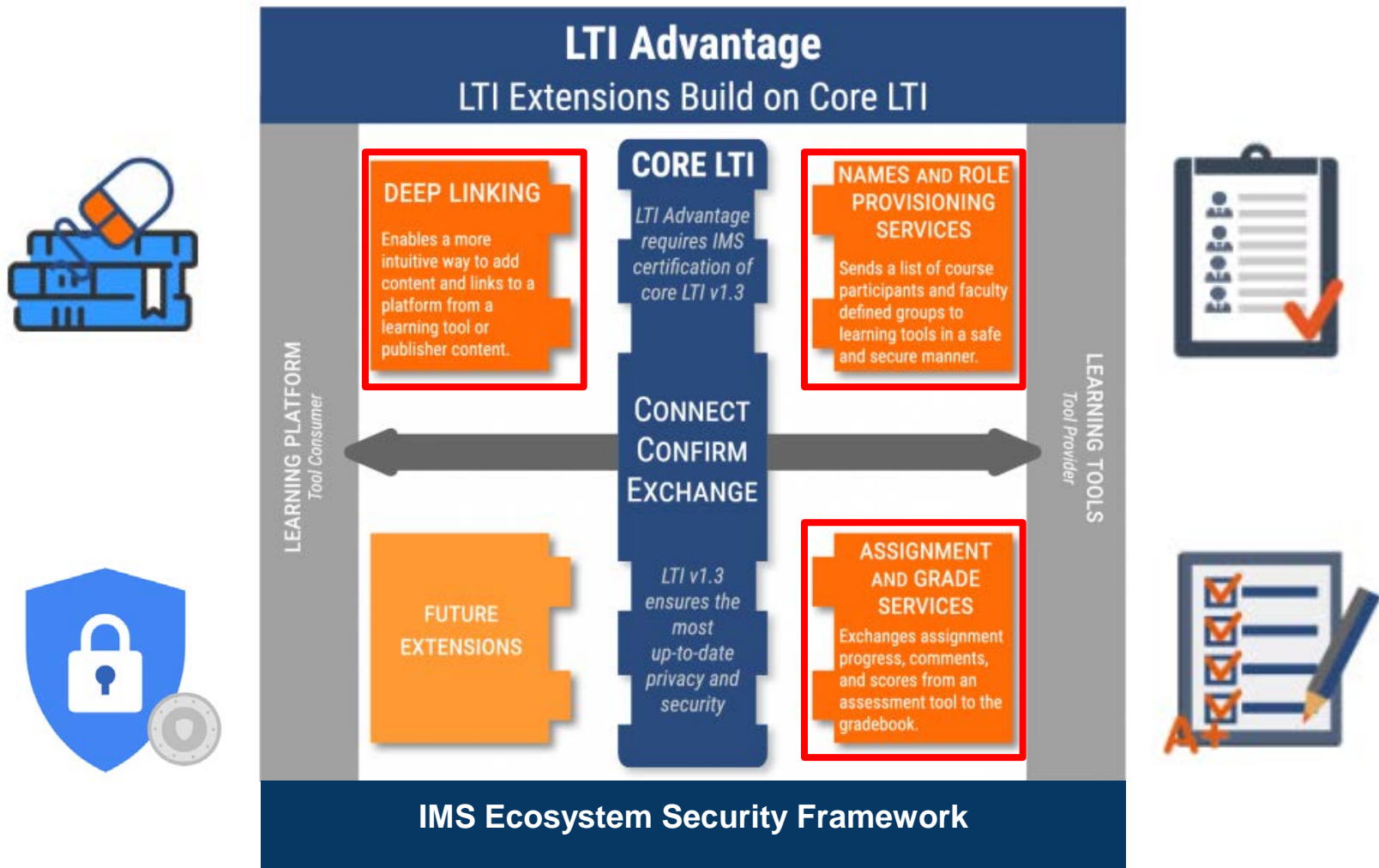
# COMPONENTS OF LTI ADVANTAGE



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# COMPONENTS OF LTI ADVANTAGE



# UNEQUALED COLLABORATION

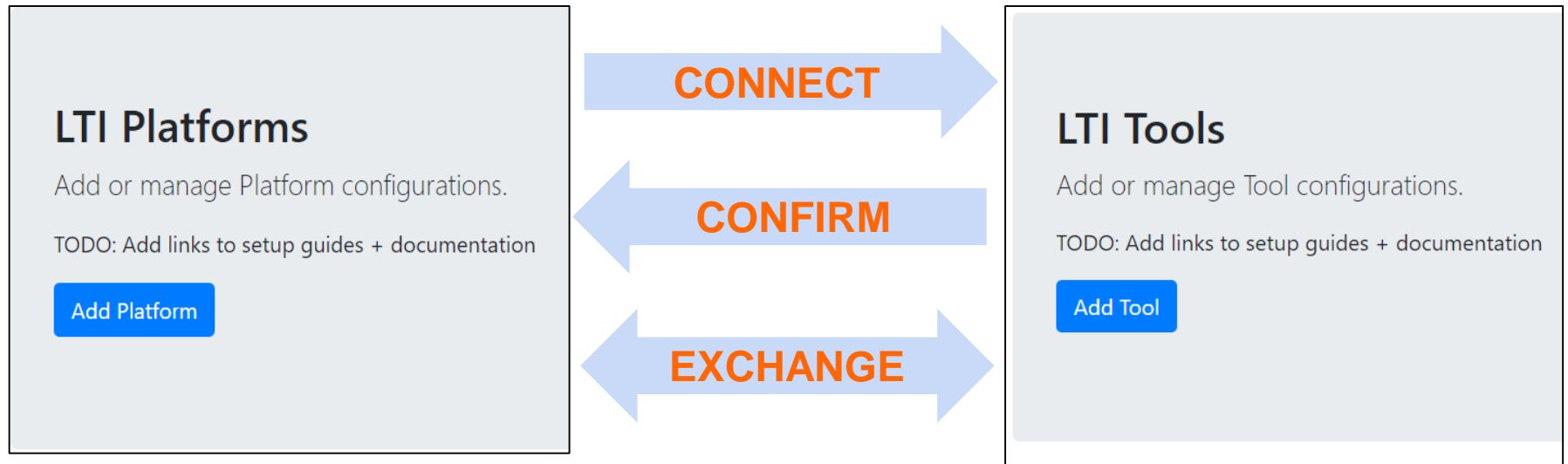
*IMS Members are Leading the Way*

- **Blackboard** hosting a weekly partner workshop
- **Instructure** is blogging, promoting to partners and presenting at conferences
- **D2L** presentations and active LTI Advantage development
- **Turnitin** is creating sample PHP code libraries
- **Cengage** created an implementation guide with live code
- **Moodle** plans on supporting LTI-A in the next version

Blackboard



# LTI REFERENCE IMPLEMENTATION



A Fully Functioning Platform and Tool  
For Development Reference and Testing

# LTI ADVANTAGE EARLY ADOPTERS



Blackboard





# DISCUSSION



**John-Arthur Berg**

Data Protection Officer (GDPR) and  
Strategic Advisor

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