

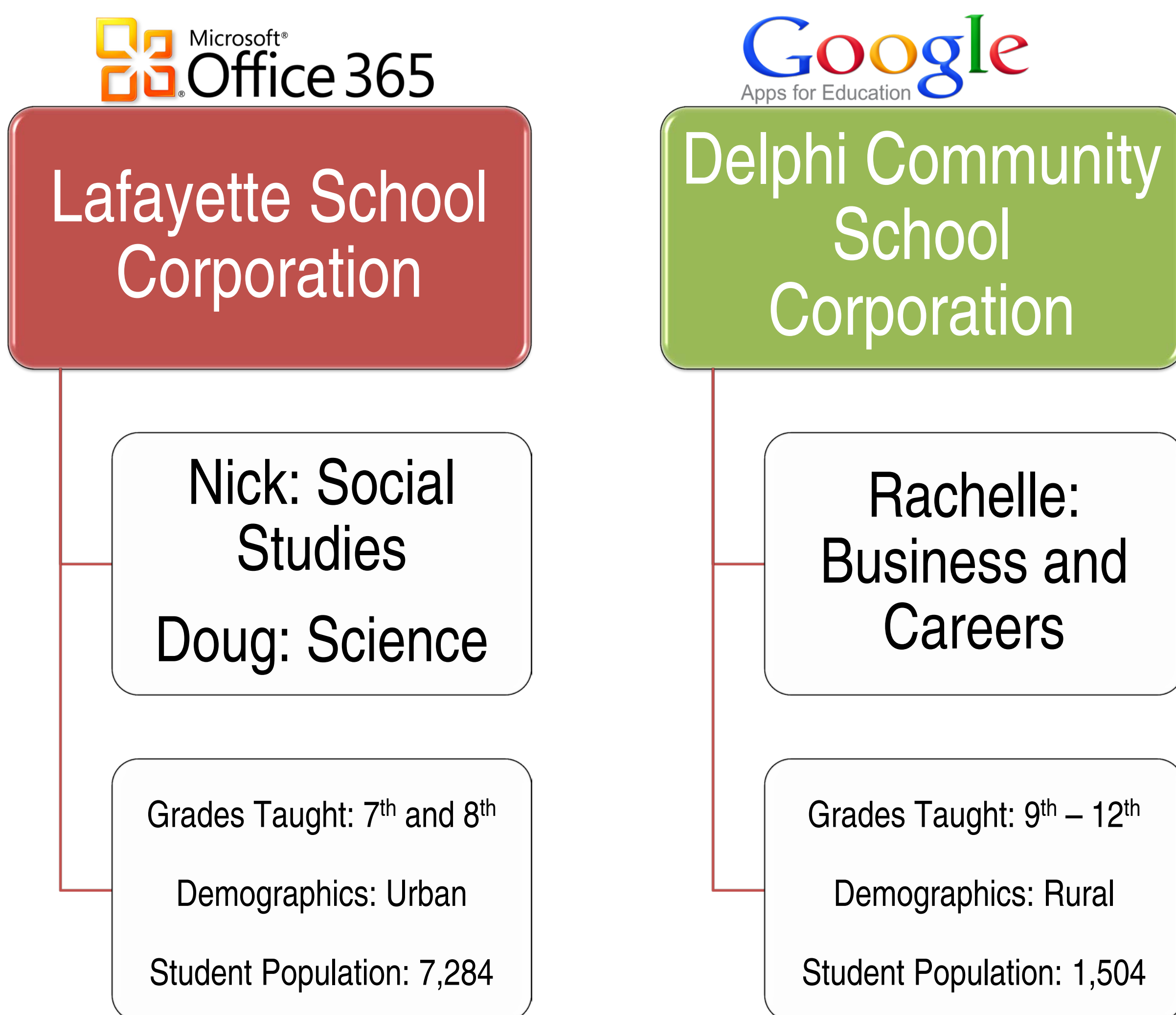
Functionality of Cloud Computing in Secondary Education

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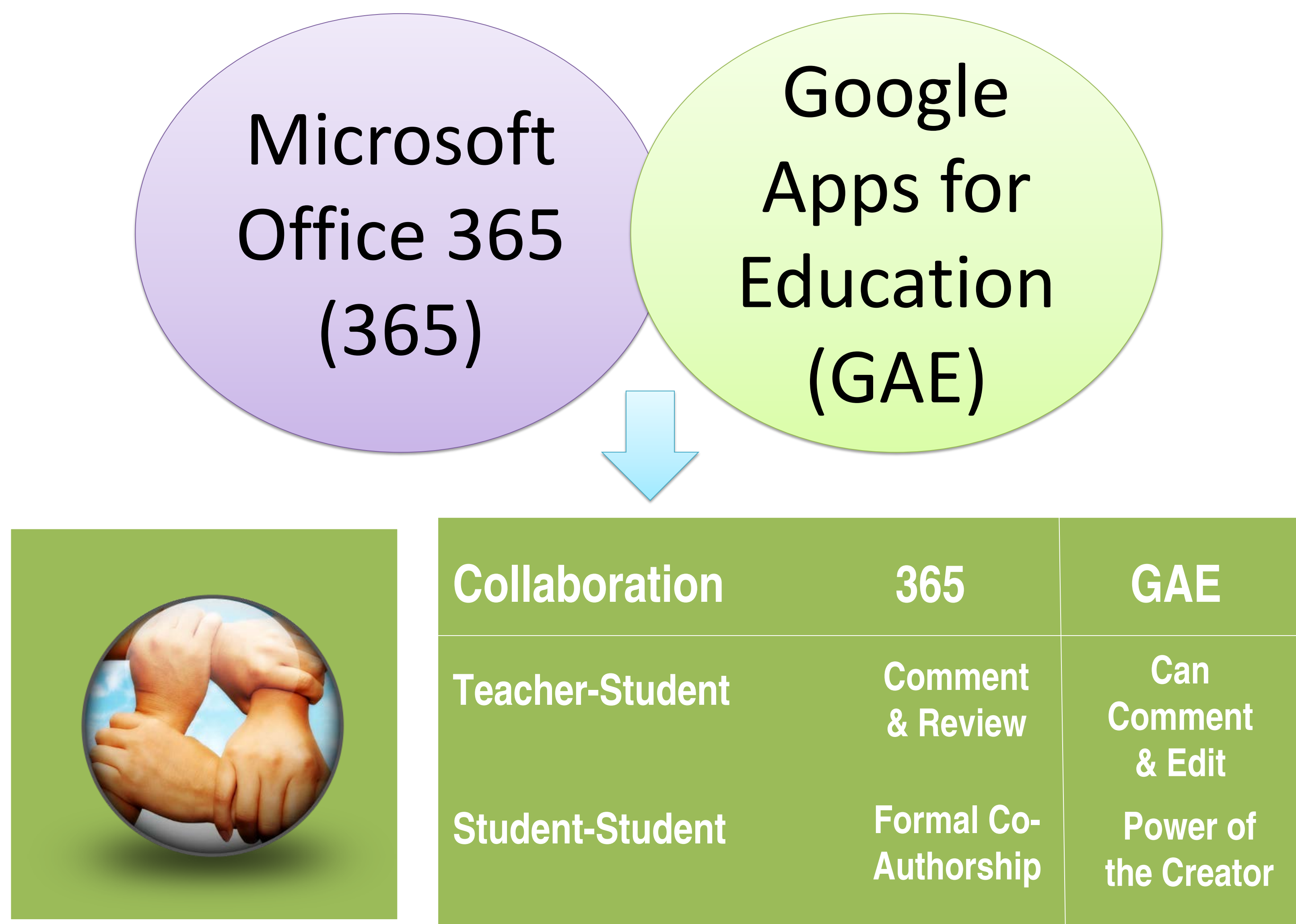
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Introduction

- With decreased budgets and higher IT costs, secondary schools look to the cloud for a cost-effective solution.



METHODS



Problem Statement

- Aim to determine how Microsoft Office 365 and Google Apps for Education impact grades 7-12.
- Comparison of storage and collaboration.
- Use of FedRAMP policies to test availability.

	365	GAE
Storage		
Capacity	50 GB / user	30 GB / user
Availability	+ Accessed anywhere - iPad interface	Accessed anywhere Uploaded file limitations

Least Functionality

- An organization establishes its own list of prohibited or restricted functions, ports, protocols, and/or service.

Account Management

- The service provider defines the time period for non-user accounts. The time periods are approved and accepted by the authorizing official.

Unsuccessful Login Attempts

- Not more than 3 attempts/fifteen minutes or account/node is locked for thirty minutes.

Recommendations for Collaboration

- In the classroom, shared 365 and GAE documents should only be VIEW ONLY.
- 365 could improve by creating an option to allow each assignment to be individually sent to each student to avoid the likely chance of manipulation.
- The distortion of documents into Google Docs from other software programs.
- Collaboration on school networks increases the liability of cyber-bullying



<http://cloud.cio.gov/to-pics/about-fedramp>