Request for Technology Fee Funds: FY18

NOTE: A separate request should be made for each initiative.

I. Department Number/Department Name: 360 College of Computing

Title of Request *(please be brief):* Data Storage Servers for Graduate Students

Amount of Request *(formula from detailed budget below):* $56,262

Are there any installation/renovation costs associated with this request? ☐ Yes ☑ No

If "Yes" then indicate the source of approved funding:

(Note: Tech Fees are not allowed for installation/renovation)

Executive Summary of Request (100 words or less):

The College currently supports a shockingly limited amount of data storage space for the 700+ on-premise graduate students. With the continuing downward trend in the cost of hard drives, we hope to massively increase the size of graduate student home directories (from 4GB to 50GB) to allow for significant data to be accessible, thus increasing the usefulness of this resource.

Specific class and/or lab initiative(s) if applicable:

Contact person for this request (incl. phone #): David Mercer (5-2518)

Indicate priority per department if applicable: Number ____ of ____

Indicate priority per college or unit: Number 8 of 9

II. Impact on Students - Provide course title, course number, and anticipated enrollments:

Titles/Numbers of Course(s) all on premise College of Computing graduate students

Anticipated Enrollments

Graduate:	*705*	◉ per sem ○ per year
Undergraduate:	0	◉ per sem ○ per year
Total:	705	(select one)

NOTE: Other impacts on students should be described in narrative.

III. Narrative - *Provide narrative justification for your intended use of the technology fee funds. Include narrative on how the education or research of the students will be enhanced. Also include how the request aligns with the Strategic Plan of Georgia Tech. Continue in the block below if necessary.*

Currently the College of Computing (CoC) offers on-premise graduate students 4GB home directories that are automatically mounted when students log in to the server resources available to them. This meager amount of space pales in comparison to various free offerings around the web – Google, for instance, offers users 15GB of space on Google Drive, free of charge. Unfortunately, many of these public resources are not configured to handle the myriad of privacy concerns that accompany the types of data our students would be storing on these services, especially the exposure of student FERPA data. Due to the downward trend in the cost of hard drives, a relatively small investment per student will allow us to dramatically expand the current offering, both increasing the usefulness to the students and discouraging the use of unvetted outside resources.

IV. Detailed Budget - Requested Items by Category *List separately any equipment, software, and other allowable expenses (see Tech Fee Guidelines). There is a formula in the "total column" that multiplies the number of items times the unit price. You may enter a figure into the total column if the unit pricing is not applicable. If you need additional rows, contact the Budget Office to receive a modified form.*

Supporting documentation is required *- Include price justification in some form, such as quotations, published price lists, etc. as a separate PDF attachment. All supporting information should be in a single PDF.*

	Proposed Number of Items	Estimated Price per Unit	Total ($)
Storage Server	4	$14,066	$56,262
Total *(linked to the total amount of request line above)*			$56,262

Please return form via e-mail in Excel format to: tina.clonts@business.gatech.edu. Supporting information only in a PDF file.

III. Continuation of narrative justification, if necessary

The current systems providing our data storage space are at the end of their life cycle and use nonstandard hardware that we have few replacement parts for in the event of a hardware failure. The proposed equipment comes with a 5-year warranty and uses a standardized set of hardware within the college that allows us to keep many common parts on site for quick replacement instead of waiting for the warrantied part to arrive. With the introduction of new hardware, software and warranty support, the college can maintain a 5-year life-cycle replacement for students' data storage needs, lower support costs, and provide a more stable and much expanded service.