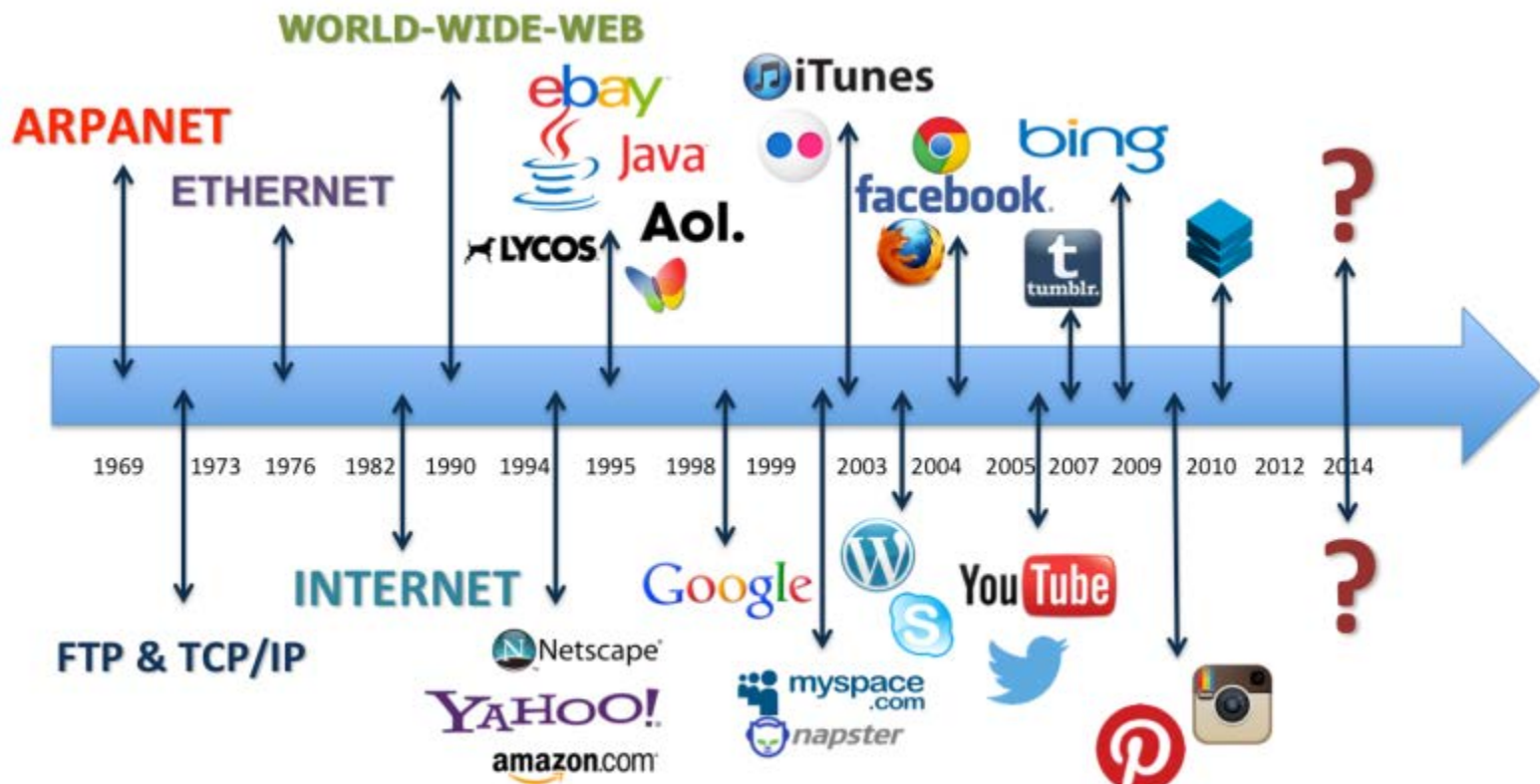




September, 2014

Elias G. Eldayrie, Vice President & CIO



Big Data

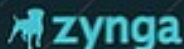
BIG DATA?

VOLUME
Large amounts of data.
VELOCITY
Needs to be analyzed quickly.
VARIETY

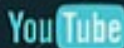
Different types of structured
and unstructured data.



30 billion pieces of content were added to Facebook this past month by 600 million plus users.



Zynga processes 1 petabyte of content for players every day; a volume of data that is unmatched in the social game industry.



More than 2 billion videos were watched on YouTube... yesterday.



The average teenager sends 4,762 text messages per month.



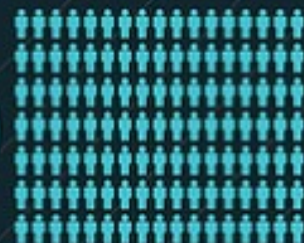
32 billion searches were performed last month... on Twitter.

Source: Statista

Worldwide IP traffic will
quadruple by 2015.



By 2015, nearly
3 billion people



will be online, pushing the data
created and shared to nearly
8 zettabytes.

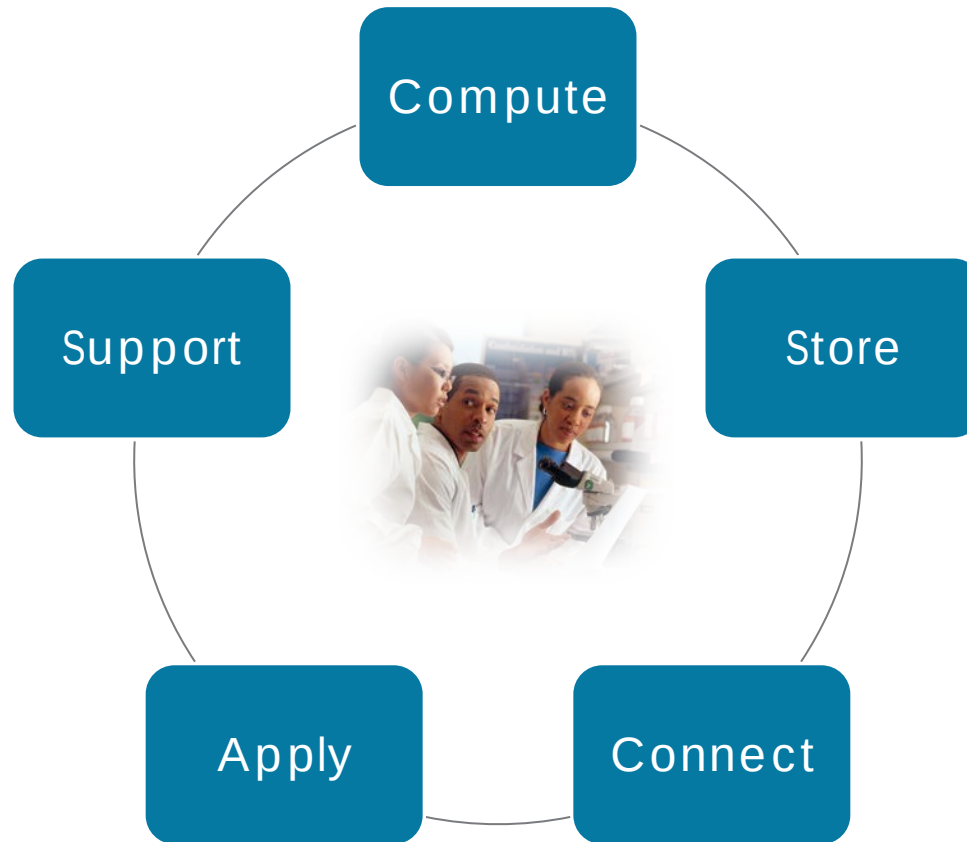
Big data exceeds the boundaries and sizes of normal processing capabilities. It requires non-traditional approaches



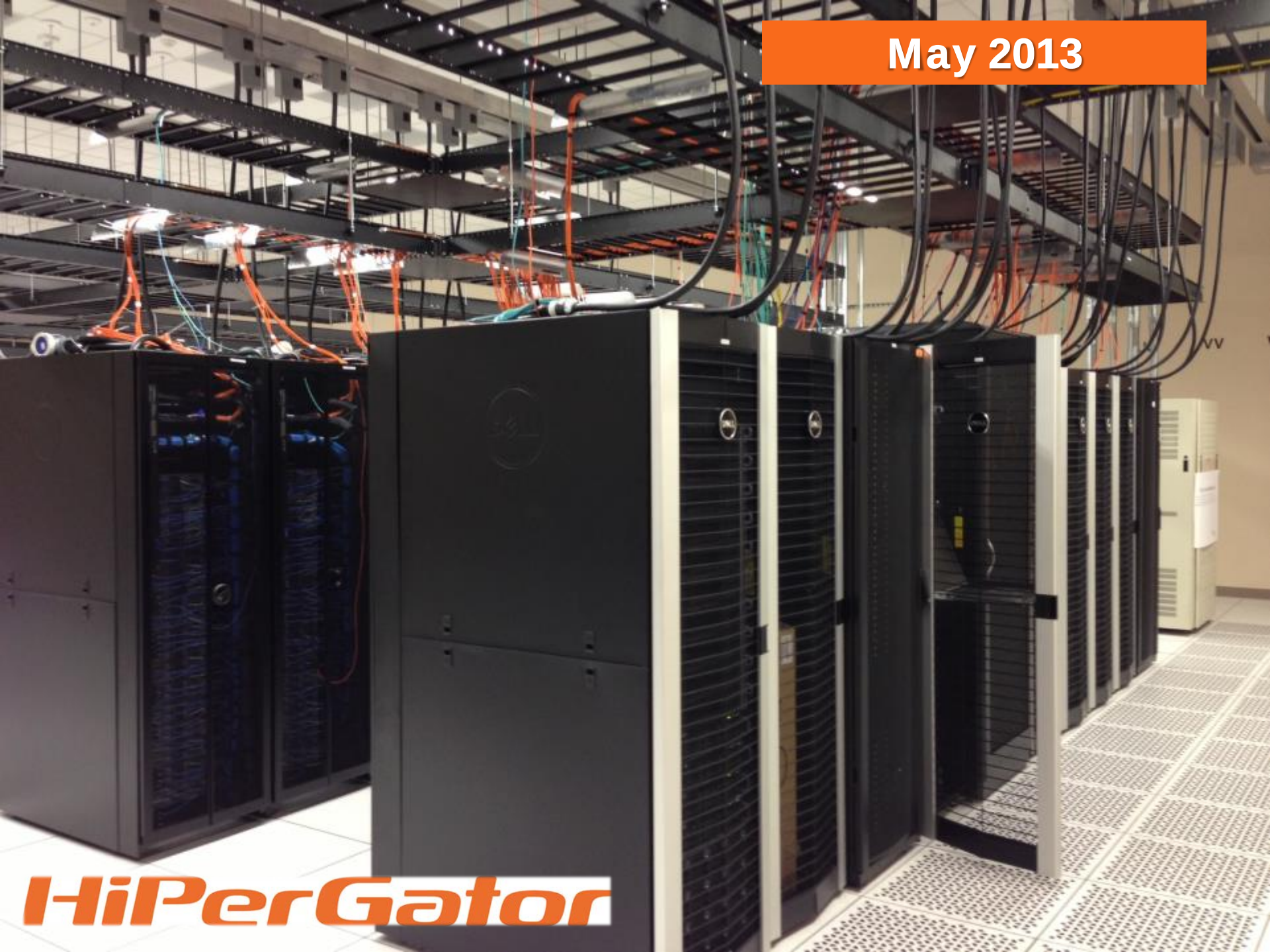
Its about the Information!



UF Research Computing Ecosystem

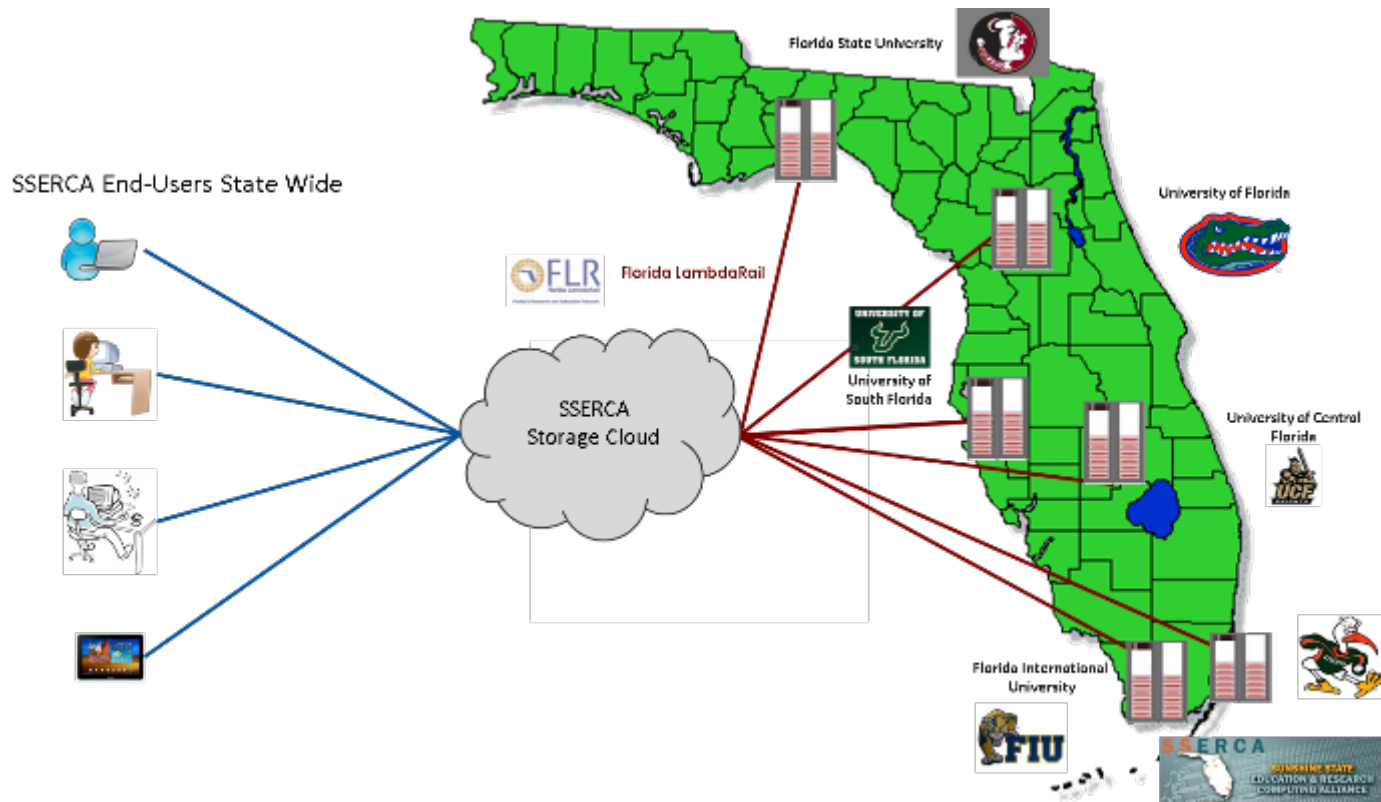


May 2013



HiPerGator

September 2014



January 2015



January 2012



Innovation Campus Pilot Sites

100GE – Science DMZ – Software-Defined Networking



June 2014



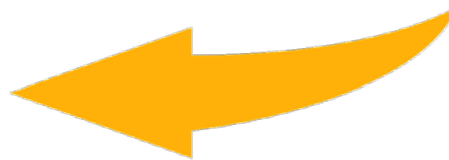
First Month:



102 Gators



662 Foreign Visitors



From:

Australia
Belgium
Germany
Hong Kong
Ireland
South Africa

December 2014

Coming Soon: UF Apps for Researchers!

UF Apps
Information Technology

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Connect to Apps Anywhere, Anytime, on all your Devices

UFApps provides access to software applications from any computing device—laptops, tablets, desktops, and smartphones—from any location, at any time. This project is a one-year pilot project funded by the Student Tech Fee.



Please use the [Feedback](#) button to share your comments about this pilot program with us!

[Read more about UFApps.](#)

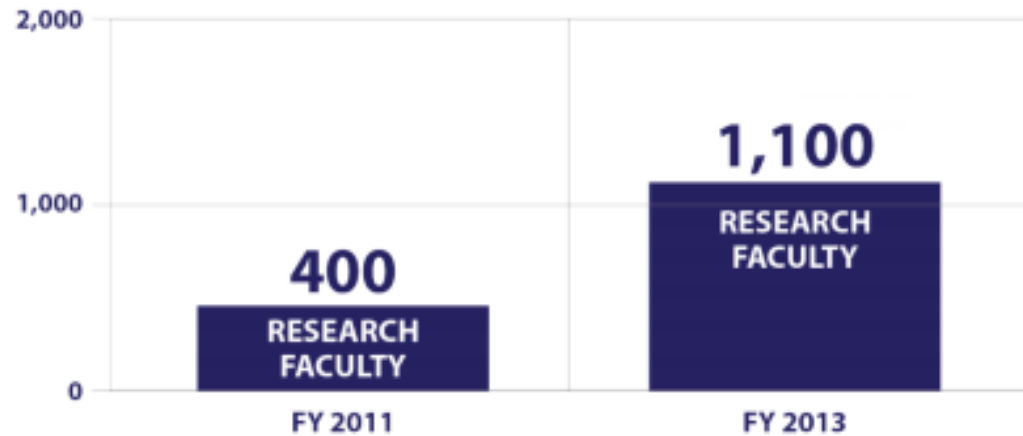
Available Tools

Apps

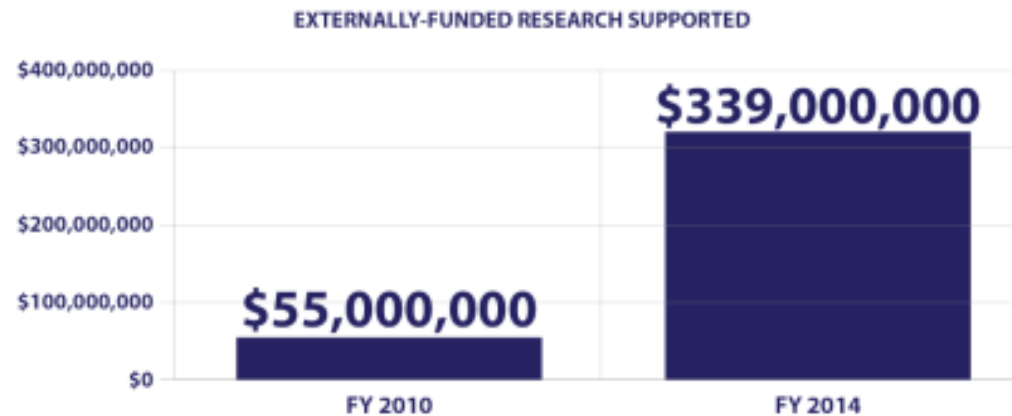
- > Adobe
 - > Adobe Acrobat XI
 - > Adobe Dreamweaver CS6
 - > Adobe Illustrator CS6
 - > Adobe InDesign CS6
 - > Adobe Photoshop CS6
- > ArcGIS 10.1
- > AutoCAD 2013
- > Matlab R2012b
- > Minitab 15
- > Microsoft
 - > Microsoft Access 2010
 - > Microsoft Excel 2010
 - > Microsoft Powerpoint 2010
 - > Microsoft Publisher 2010
 - > Microsoft Word 2010
- > SketchUp 8
- > SolidWorks 2012
- > SPSS Amos Graphics 21
- > SPSS Statistics 21

August 2014

**275%
GROWTH**



**616%
INCREASE**



September 2014

IBM PureData for Analytics



IBM PureData

Powerful machine for
very large structured datasets

For UF researchers in both the
sciences and the humanities

Queries of 10M -100M records =
27 hrs. VS. 3 seconds

More to come this afternoon on
this awesome UF resource

Many thanks to IBM for their
partnership and support of UF
research!





Thank you!

Go Gators!!

<http://www.it.ufl.edu/>