# Solutions

* SEMOSS
  + Screenshots
  + Talk about data intake (data source)
  + Download
* SEMOSS Web
  + Screenshots
  + Talk about data intake (data source)
  + Download
* NameServer
  + Helpful description and graphics
  + Not available for download\*\*

# Capabilities

* By Industry
  + Government
    - MHS
  + Healthcare
    - Pasta
  + Science
    - NIH (genetics)
  + Environment
    - NOAA
  + Other
* By Function
  + Portfolio Rationalization
    - Algorithms that are already built
    - Track record of savings
  + Legacy Modernization /Service Oriented Architecture
    - Legacy modernization to change to SOA
  + CIO Strategy
    - MHS & DBCM
* Custom Capabilities
  + Different visualizations
  + Different look from other pages

# Support

* User Guides
  + Desktop Version
  + Web Version
* Developer
  + Current Development
  + API
  + Troubleshooting guide

# About Us

# Community

* Blog

**Talking Points:**

* Big Data will never be as big to put all of world’s data in a single database – Chinese Single Line Problem
* Big Data is good, Smart Data is better
* Open Collaboration = Open Innovation.
* Digital Share Cropping means ability to collaborate with data, insights, knowledge and even wisdom

Evolving Data Products:

1. Create Mental Model
2. Identify Data Sources\*\*
3. Link and Integrate Data Sources\*\*
4. Import data into a single database
5. Run Parallel Algorithms
6. Visualize

Big-Data to Smart Data

1. Data
   1. **Elastic** data integration with more than 6 **connectors**, including **RDBMS, Cloud Aware Datasources**
   2. **OnDemand data analysis** load through excel, csv
   3. **Context aware data**, that can link across databases
   4. W3C Standards – **RDF, SPARQL**
2. Analytics
   1. Graph Algorithms
   2. Optimization – Linear and Non-Linear algorithms
   3. Statistical algorithms
   4. Equation Solving
3. Visualization
   1. **Rich** library of **visualizations**
   2. Parallel Coordinates
   3. Excel style charting
   4. Network Viz.
   5. Heatmaps
   6. **Extensibility** to adopt any visualization
   7. Overlay visualizations to see Overlaps

History:

* **Genetics**
  + How do you find an antidote for new virus outbreak ?
  + SEMOSS helped create a collaborative environment, where gene, genetic pathways, publications can be interlinked to create the breakthrough. Simple visualizations can go a long way in understanding effects of EBOLA and MERS on Macaques and Camels. What used to take 2 years, SEMOSS did in 2 weeks quipped one of the scientists.
* **Portfolio Optimization**
  + How do you identify savings in the enterprise without any business disruption ?
  + Graph theory based analysis determined redundant systems in the enterprise that can be decommissioned to save millions of dollars. Learn how to utilize insight to balance foresight (new investments) with hindsight (legacy modernization and portfolio rationalization)
* **Health Plans**
  + How do you integrate the patient into shared savings program?
  + Nobody understands the patient needs more than patient themselves. Exposing the public data effectively can not only help the patient determine their best options, but can also spell the difference between life and death. See how, a collaborative environment can foster the movement from healthcare to health
* **Weather Analytics**
  + What happens to planet Earth when a satellite is taken down by a meteor?
  + An enterprise discovers what it needs to do to ensure a safe planet earth. Be it resilient coastlines or a nation that is weather ready, understanding the ripple effect of nature’s crippling blows on our society through SEMOSS helped NOAA evaluate their strategy
* **Disaster Preparedness**
  + Anatomy of a disaster?
  + Every disaster is unique, there is no common way to generalize it. Disasters typically require a wide variety of data that need to be collated and visualized to appropriately respond to it. Learn how SEMOSS helps you get the panoramic view of a disaster.