

Spring 4-23-2016

# Data Security in Software-as-a-Service (SaaS)

Anurakta Nayak

*Valparaiso University*, [anurakta.nayak@valpo.edu](mailto:anurakta.nayak@valpo.edu)

Follow this and additional works at: <http://scholar.valpo.edu/cus>

---

## Recommended Citation

Nayak, Anurakta, "Data Security in Software-as-a-Service (SaaS)" (2016). *Celebration of Undergraduate Scholarship*. Paper 549.  
<http://scholar.valpo.edu/cus/549>

This Poster Presentation is brought to you for free and open access by the Office of Sponsored and Undergraduate Research at ValpoScholar. It has been accepted for inclusion in Celebration of Undergraduate Scholarship by an authorized administrator of ValpoScholar. For more information, please contact a ValpoScholar staff member at [scholar@valpo.edu](mailto:scholar@valpo.edu).

# **Data Security in Software-as-a Service (SaaS)**

**Primary Contact**

**Anurakta Nayak**

**E-Mail: [Anurakta.Nayak@valpo.edu](mailto:Anurakta.Nayak@valpo.edu)**

**Faculty Sponsor**

**Cynthia K Pluta**

**E-Mail: [Cynthia.Hagemeyer@valpo.edu](mailto:Cynthia.Hagemeyer@valpo.edu)**

**Liberal Studies, Valparaiso University**

## **ABSTRACT**

Cloud computing is an emerging topic in the information world. Economist has addressed Software-as-a-service (SaaS), which is a part of the cloud computing, as the “the next sea change” in the software business. By seeing the enormous benefits of the SaaS that are its flexibility, scalability and cost-effectiveness; it is becoming popular now-a-days and its demand has increased in the IT world. Despite its advantages, it also holds some challenges. The major challenge of SaaS is the security of the information. This paper will give a clear picture of the various security threats to the SaaS and the multiple methods to mitigate them. It also includes few benefits of using the applications which are built on SaaS architecture and features that has made SaaS so popular. It also covers the various major vendors of SaaS all over the world.

### **KEY WORDS:**

Software-as-a Service, Security challenges, Data Confidentiality, Virtual machine security, Network Security, Resource Locality.