



Sicore Technologies

Godfrey Vassallo
Chief Technical Officer
200 Finn Court
Farmingdale, NY 11735
631-249-9441 x235
www.sicore-tech.com





Overview



- Business organizations and government agencies need resilient systems that can withstand and autonomously recover from a cyber attack.
- Our approach provides a secure infrastructure and a real-time framework that instill system resilience.
- Benefits include increased system availability, protection of critical information, and rapid recovery of damaged systems.
- Our competition and alternatives have proven to be ineffective primarily because they do not provide mechanisms that address resilience.



Market Need

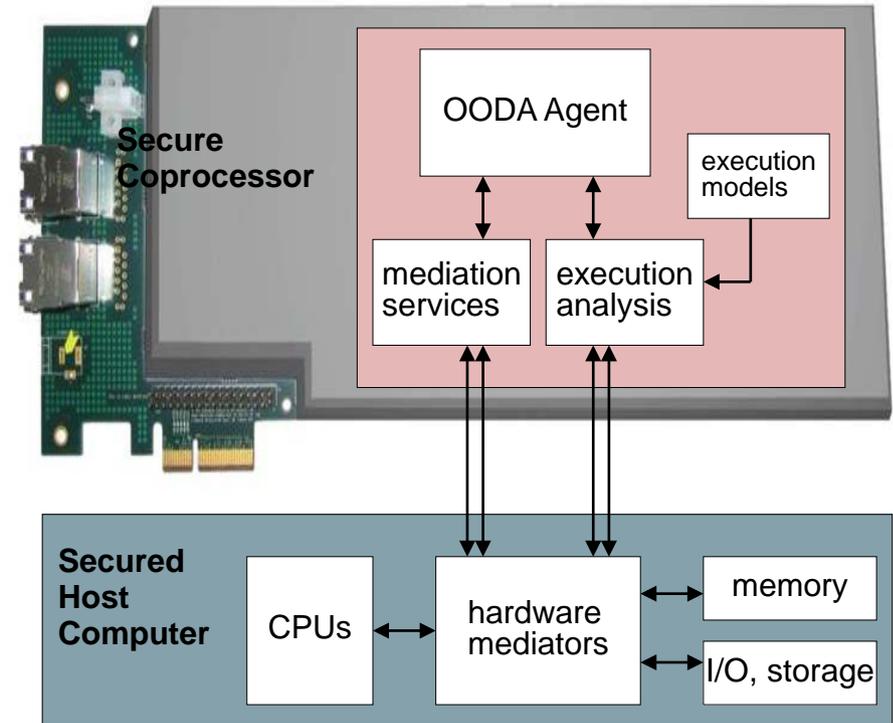
- In 2011, an attack on Sony's Play station Network caused \$171 million in outages. Overall damage estimates exceed \$1 billion.
- In 2012, it took businesses an average of 24 days to spot and resolve an attack, with each cleanup costing an average of \$592,000.
- The hackers knocked out tens of thousands of South Korean computers simultaneously this year.
- Chinese cyber spies have reportedly obtained top-secret information on major weapons systems in the US, including the F-35 Joint Strike Fighter.





Competitive Advantage

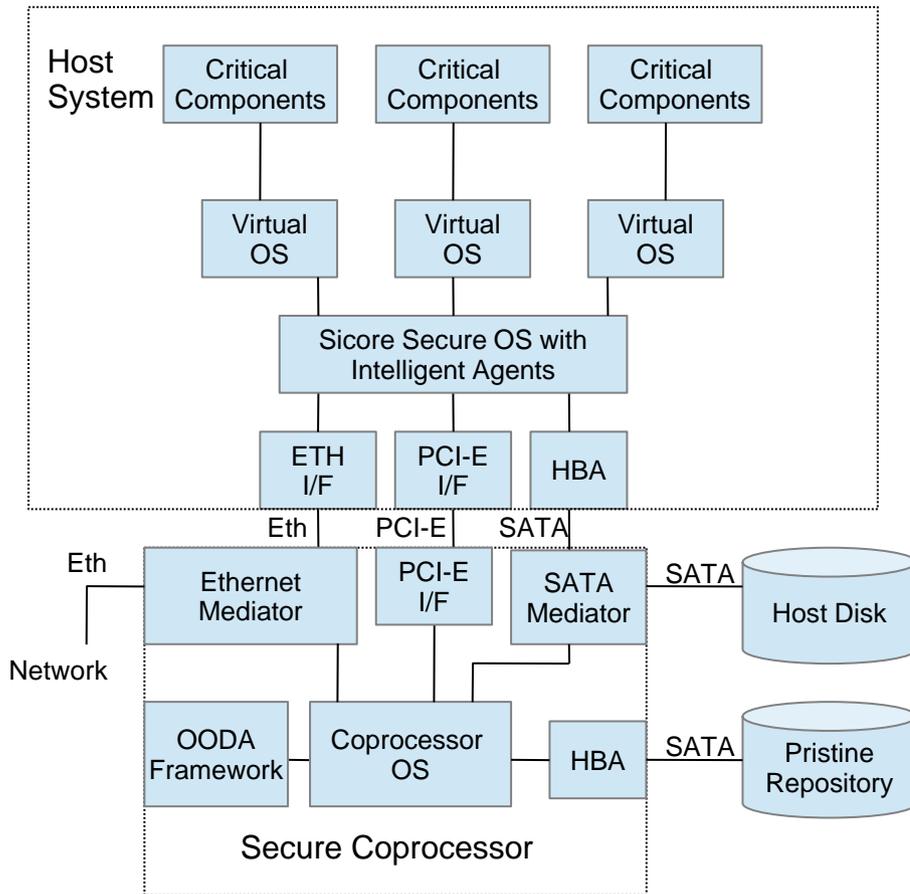
- Our fundamental advantage stems from our ability to monitor and manipulate the host system's environment without consuming host resources.
- This capability is achieved using:
 - SATA Mediation
 - Ethernet Mediation
 - Memory Mediation
 - OODA Framework



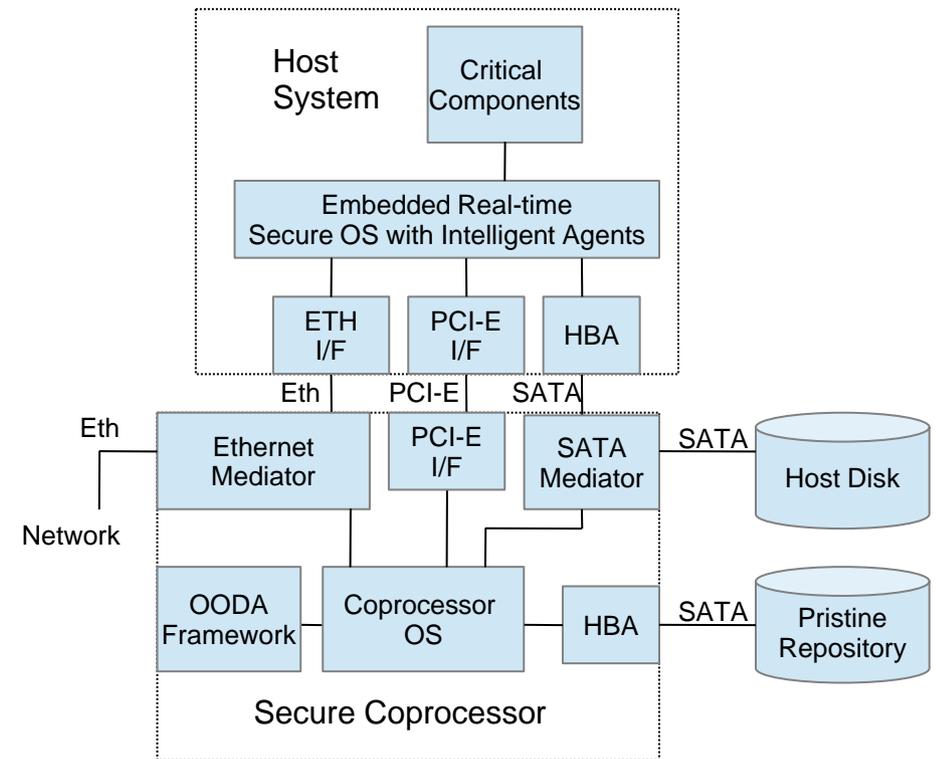


Our Approach

Commercial Data Center



Embedded Platform





Benefits



- Guaranteed automatic recovery to a known pristine state.
- Mediation continuously monitors, detects and delivers real-time countermeasures.
- Reduces the frequency of cyber attacks by frustrating potential attackers.
- Auto recovery reduces the cost associated with cyber attacks.
- Infrastructure establishes a root of trust that increases customers' confidence in the system.
- Slows the spread of malware through isolation and replacement of compromised components.



Competition

Competitor	We can, it can't	It can, we can't
Symantec Corporation	<p>Protect systems at a hardware-level</p> <p>Protect systems without impacting its performance</p> <p>Immediately adapt to new threats</p>	<p>Immediately roll out software updates to millions of customers</p> <p>Offer security software on mobile devices</p>
McAfee	<p>Protect systems at a hardware-level</p> <p>Protect systems without impacting its performance</p> <p>Immediately adapt to new threats</p>	<p>Immediately roll out software updates to millions of customers</p> <p>Offer security software on mobile devices</p>
IBM	<p>Offer custom protection based on a specific customer's needs</p> <p>Protect systems using artificial intelligence to adapt to new threats</p>	<p>Market to a large number of customers that already have IBM servers</p> <p>Have a product backed by a "big-name"</p>



Sales and Marketing

- Our plan is twofold: to build a secure server and a secure embedded platform.
- We are associated with AFCO Systems, which manufactures data centers cabinets.
- Through this relationship, we have an initial customer base to market our secure server to.
- We have a contract with the University of Virginia to implement our system in a drone.





Business Model

- Take advantage of AFCO Systems contacts in the data center industry to establish beta site with existing customers.
- Continue bidding on government contracts that provide opportunities to deploy or improve our product.
- Deploy our secure server and offer a cloud computing service to customers.



charles river analytics





Forecast

	2014	2015	2016	2017	2018
# of Customers	9	100	300	1000	3000
# of Employees	4	12	30	90	300
Sales	\$300K	\$2M	\$5.61M	\$18.2M	\$54.2M
Expenses	\$250K	\$1.4M	\$3.71M	\$11.7M	\$38.8M
Profits	\$50K	\$600K	\$1.9M	\$6.5M	\$15.4M



Team

- Godfrey Vassallo
 - Chief Technical Officer for Sicore Technologies
 - Worked at UNISYS as a research manager responsible for the specification, design, development, and acquisition of computing systems including operating systems for military combat systems
- Dr. Sean Smith
 - Adviser to Sicore Technologies
 - Designed and developed security architecture for the IBM 4758 secure coprocessor platform.
 - Lead software and formal modeling for the world's first successful FIPS 140-1 Level 4 validation.
- Steve Weingart
 - Adviser to Sicore Technologies
 - Principle hardware architect, along with Dr. Smith of the IBM 4758 secure coprocessor.
 - Participated in the NIST panel convened to assist in the development of the FIPS 140-1 standard.

UNISYS

IBM

IBM





Status and Milestones

- Current Status:
 - SHIELD Secure Coprocessor built and tested
 - Two SHIELD cards sold to Stony Brook University
- Future Milestones:
 - Build the new coprocessor with the SATA and Ethernet mediators
 - Build and deploy a secure server to offer cloud computing service
 - Deploy the coprocessor in a drone, under a contract with the University of Virginia