

DCS Awards: DCS PRODUCT AWARDS
Category: Data Centre ICT Security Product of the Year

SECUSTACK: A SECURITY-HARDENED CLOUD INFRASTRUCTURE FOR SENSITIVE DATA AND PROCESSES

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secunet
CLOUD & HEAT

SECUSTACK: VALUE PROPOSITION

A cloud that meets the **highest demands** in terms of security and control over all data opens up new markets for users, institutions and private individuals who have so far refrained from entering the cloud due to a very high need for security.

This ultimately brings an **advantage for all users**, but also for the operators of data centers.

THE FOLLOWING INDUSTRIES BENEFIT:



Authorities & Administration



Financial institutions & insurance companies

E-Commerce



Research & Development



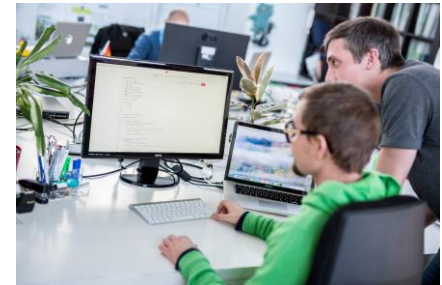
SECUSTACK: USE CASE

In order to make the cloud solutions of Cloud&Heat even more attractive for companies from security-sensitive sectors, the company has joined forces with secunet and created **SecuStack**. The data and processes of the customers are secured by this extension of OpenStack in a unique way.

SecuStack opens up new markets - customers who were previously unable to access the cloud for security reasons, are now in a position to do so.

CLOUD&HEAT

Cloud&Heat is a Public and Private Cloud provider who operates multiple OpenStack-based green data centers: The innovative waste heat reusage system makes the data centers unique in terms of energy efficiency.



SECUSTACK: CORE FEATURES

Secured access
on infrastructure



Insulation and protection of
tenant networks

User control of key material



Encryption of user data
in the block memory

Encryption and signature
of images



Hardening and protection of the
OpenStack infrastructure

SECUSTACK: A MORE SECURE CLOUD INFRASTRUCTURE FOR CLOUD&HEAT



„We as Cloud&Heat are very proud to have been able to provide the use case for SecuStack and to be the first to take advantage of the innovation resulting from this development. This empowers us to make our cloud infrastructure even more attractive for our customers having high security requirements. Thus, we can be the first to use this future-oriented technology! As a major IT security expert, secunet is exactly the right choice as a partner.“

Dr. Marius Feldmann, COO, Cloud&Heat Technologies GmbH