Igel Technology GmbH

Security Assessment ICG

September 22nd, 2017

Document Name:	report_83728_seca_cloudgateway_v1.1.docx
Version:	v1.1
Project Number:	83728
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Date of Delivery:	September 22nd, 2017
Classification:	STRICTLY CONFIDENTIAL

2 Management Summary

2.1 Overall Impression

Based on the results of the security review conducted in August 2017, Compass Security considers the security level of the IGEL Cloud Gateway implementation as good. Analysts have not identified vulnerabilities that significantly affect the confidentiality and integrity of the customer product and their information assets. Only one weaknesses with a severity of medium and some with a severity of low were identified. These should be mitigated to assure a very good security level.

2.2 Introduction

IGEL is a world leading Manufacturer of Software solution for Endpoint management as well as software-defined Thin and Zero Clients. IGEL Managed Workspace solutions provide true enterprise management. IGEL Cloud Gateway offers IT Pros a dedicated virtual tunnel for the transparent and secure management of IGEL OS-powered endpoints.

IGEL Cloud Gateway extends the Universal Management Suite via a standard internet connection to IGEL OS-powered endpoints running in remote branch offices, at home offices or by roaming road warriors. The security of the ICG and its communication channels was to be deeply investigated. Compass Security was kindly asked to perform appropriate tests.

Compass Security Deutschland GmbH, as an independent branch of the Swiss Compass Security Network Computing AG, is a company specializing in security assessments and forensic investigations and is based in Berlin. We carry out penetration tests and security reviews for our clients, enabling them to assess the security of their IT systems against hacking attacks, as well as advising them on suitable measures to improve their defenses. Compass Security has considerable experience in national and international projects. Close collaboration with universities enable Compass to perform field research. Thus, our security specialists are always up-to-date.

2.3 Objectives

The security check was intended to provide an overview of the threat posed by an Internet-based adversary. The following issues were addressed in particular:
- Evaluation of the potential threat posed against the implemented architecture from the point of view of an attacker situated in the Internet
- Testing the TLS encrypted communication provided by the ICG with focus on authentication, authorisation and Man-in-the-middle attacks evasion
- Testing the ICG server application in view of the network layer
- Detailed suggestions on improving security measures

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