

Single Sign-On in Service-Oriented Computing

Kurt Geihs¹ Robert Kalcklösch¹ Andreas Grode²

¹ Intelligent Networks and Management of Distributed Systems
Berlin University of Technology, D-10587 Berlin
{geihs, rkalckloesch}@ivs.tu-berlin.de

² DIN IT Service GmbH
Burggrafenstr. 6
D-10787 Berlin
andreas.grode@dinits.de

Abstract. Support for Single Sign-On (SSO) is a frequently voiced requirement for Service-Oriented Computing. We discuss SSO strategies and approaches, their requirements and constraints. The two most prominent approaches in this field are presented, i.e. Microsoft Passport and Liberty Alliance. Because implementations of Liberty were not widely available and in order to understand the conceptual implications and practical requirements of SSO we have built our own SSO solution. Its modular and flexible design is compatible with the Liberty specifications. The prototype reveals valuable insights into SSO design and operations.

Keywords: *Service oriented computing, security, service authentication, single sign on*