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(54) **Title:** METHOD FOR IMPLEMENTING AUTOMATIC PASSWORD CHANGE HAVING FAULT TOLERANCE MECHANISM FOR CLOUD HOST AND CLOUD BASTION HOST

(54) 发明名称: 面向云主机和云堡垒机实现含容错机制的自动改密的方法

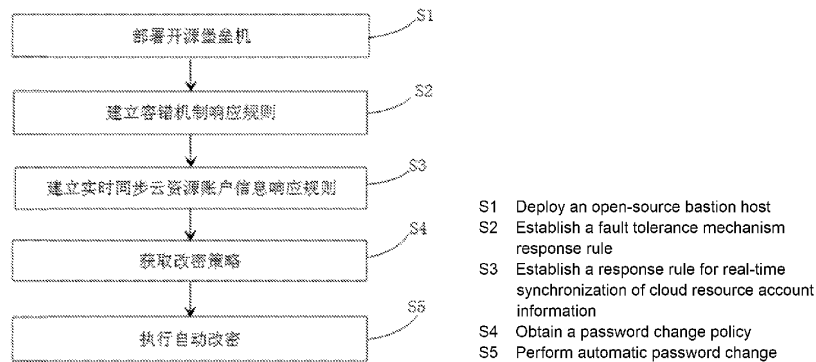


图 1

(57) **Abstract:** The present invention relates to the technical field of cloud computing and information security, and in particular, to a method for implementing automatic password change having a fault tolerance mechanism for a cloud host and a cloud bastion host. In the present invention, an open-source bastion host are deployed and integrated by means of cloud computing service orchestration, a cloud computing platform is connected to a cloud bastion host, and automatic synchronization of cloud asset information of the cloud computing platform is completed; by adding a fault tolerance mechanism and a password issuance by cloud computing platform policy, timed and automatic password change for cloud asset information of the cloud computing platform is implemented. An open-source bastion host is deployed and integrated, and a cloud bastion host verification module is developed; a fault tolerance mechanism response rule is established; a response rule for real-time synchronization of cloud asset information in a cloud computing platform is established; a password change policy is obtained; and automatic password change is performed. According to the present invention, automatic password change for a cloud host and a cloud bastion host is implemented, random password change for all cloud resource accounts is

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completed and synchronization with the cloud bastion host is also implemented, and a cloud tenant directly logs into the cloud bastion host by means of the cloud platform after automatic password change.

(57) 摘要: 本发明涉及云计算及信息安全技术领域, 具体涉及一种面向云主机和云堡垒机实现含容错机制的自动改密的方法。本发明利用云计算服务编排部署和融合开源堡垒机, 实现了云计算平台与云堡垒机对接, 完成云计算平台云资产信息自动同步, 通过加入容错机制及云计算平台下发密码策略, 实现云计算平台云资产信息定时自动改密。通过采用: 部署及融合开源堡垒机, 开发云堡垒机校验模块; 建立容错机制响应规则; 实时同步云计算平台中云资产信息响应规则; 获取改密策略; 执行自动改密。本发明实现了面向云主机和云堡垒机的自动改密, 完成对所有云资源账号随机改密的同时, 并与云堡垒机同步, 并使得在自动改密后云租户直接通过云平台登入云堡垒机。