

# Testing PINsafe Installations

## Contents

- 1 Overview
- 2 Prerequisites
- 3 PINsafe Implementation Test Plan
  - ◆ 3.1 Test Results
  - ◆ 3.2 Network Test
    - ◇ 3.2.1 Network connectivity test
    - ◇ 3.2.2 DNS test
    - ◇ 3.2.3 NTP test
  - ◆ 3.3 Administration test
    - ◇ 3.3.1 Administration Console test
    - ◇ 3.3.2 Webmin test (for appliances)
    - ◇ 3.3.3 Proxy port test (for appliances)
    - ◇ 3.3.4 ChangePIN test
    - ◇ 3.3.5 ResetPIN test
  - ◆ 3.4 Database Replication Test (For MYSQL)
    - ◇ 3.4.1 User Synchronisation test
    - ◇ 3.4.2 Data Synchronisation test
  - ◆ 3.5 VIP Failover (For PINsafe VIP installs)
    - ◇ 3.5.1 VIP moves to Standby test
    - ◇ 3.5.2 VIP moves to Primary test
  - ◆ 3.6 Transport test
    - ◇ 3.6.1 User Security String test
    - ◇ 3.6.2 User Alert test
    - ◇ 3.6.3 Admin user Security String test
    - ◇ 3.6.4 Admin user Alert test
    - ◇ 3.6.5 Helpdesk user Security String test
    - ◇ 3.6.6 Helpdesk user Alert test
  - ◆ 3.7 Authentication Test
    - ◇ 3.7.1 Test Authentication Succeeds
    - ◇ 3.7.2 Test Authentication Fails as expected

## Overview

This documents covers some simple tests that can be used to verify PINsafe installations and may be used as part of a Installation Acceptance Test.

A copy of the test plan can be downloaded in Word format from here [PINsafe Test Plan.zip](#)

## Prerequisites

PINsafe 3.x

## PINsafe Implementation Test Plan

### Test Results

- Yes: Positive
- No: Negative
- NA: Not Applicable
- TBC: To be Confirmed

### Network Test

#### Network connectivity test

Ping Gateway

Primary appliance result:

Standby appliance result:

DR appliance result:

#### DNS test

NSlookup to verify DNS

Primary appliance result:

Standby appliance result:

DR appliance result:

## **NTP test**

(Successful installation of NTP verifies on appliance)

Ping Gateway from Appliances

Primary appliance result:

Standby appliance result:

DR appliance result:

## **Administration test**

### **Administration Console test**

Connect to PINsafe Administration Console, port 8080

Primary appliance result:

Standby appliance result:

DR appliance result:

### **Webmin test (for appliances)**

Connect to PINsafe Webmin, port 10000

Primary appliance result:

Standby appliance result:

DR appliance result:

### **Proxy port test (for appliances)**

TURing Image Request from port 8443

Primary appliance result:

Standby appliance result:

DR appliance result:

## **ChangePIN test**

Connect to the ChangePIN page and change a users PIN

Primary appliance result:

Standby appliance result:

Connect to the ChangePIN page and verify failure if incorrect PIN is used to change a users PIN

Primary appliance result:

Standby appliance result:

## **ResetPIN test**

Connect to the ChangePIN page and change a users PIN

Primary appliance result:

Standby appliance result:

Connect to the ResetPIN page and verify failure if an incorrect CODE is used

Primary appliance result:

Standby appliance result:

## **Database Replication Test (For MYSQL)**

### **User Synchronisation test**

Create a user on Primary and another on Standby, verify users exist

Primary appliance result:

Standby appliance result:

DR appliance result:

### **Data Synchronisation test**

Verify MySQL status are in synchronisation

Primary appliance result:

Standby appliance result:

DR appliance result:

### **VIP Failover (For PINsafe VIP installs)**

#### **VIP moves to Standby test**

Shutdown Primary appliance and authenticate on Standby/DR appliance using VIP

Standby appliance result:

#### **VIP moves to Primary test**

Shutdown Standby appliance and authenticate on Primary/DR appliance

Primary appliance result:

### **Transport test**

#### **User Security String test**

Send PINsafe user a security String

Primary appliance result:

Standby appliance result:

DR appliance result:

#### **User Alert test**

Send PINsafe user an Alert

Primary appliance result:

Standby appliance result:

DR appliance result:

#### **Admin user Security String test**

Send PINsafe Admin user a security String

Primary appliance result:

Standby appliance result:

DR appliance result:

#### **Admin user Alert test**

Send PINsafe Admin user an Alert

Primary appliance result:

Standby appliance result:

DR appliance result:

#### **Helpdesk user Security String test**

Send PINsafe Helpdesk user a security String

Primary appliance result:

Standby appliance result:

DR appliance result:

### **Helpdesk user Alert test**

Send PINsafe helpdesk user an Alert

Primary appliance result:

Standby appliance result:

DR appliance result:

### **Authentication Test**

#### **Test Authentication Succeeds**

From Integrated Access device test authentication succeeds as expected

#### **Test Authentication Fails as expected**

From Integrated Access Client test authentication fails as expected

Repeat for each integrated device