

Production Firewall Policy

Background

Cooperating with a global logistics company headquartered in Seattle, Washington.

Methodology

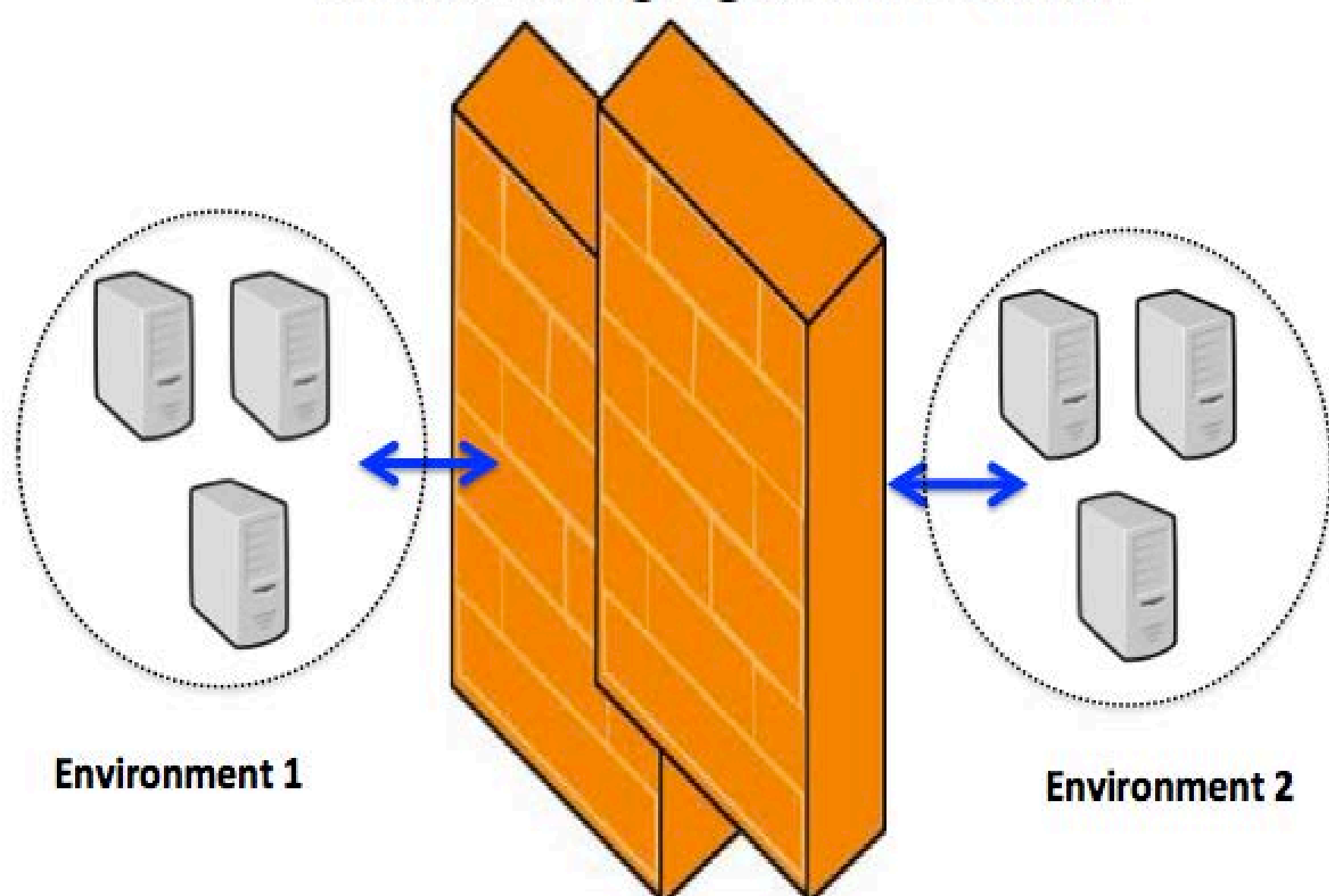
Research on problems with IS security team and reference on standards

Goal

To improve security and stability in network environment.

Problem

Network Segregation: Firewall



Research on Standards

Survey & Interview

Data Analysis

Risk Matrix

Questionnaire Structure

Roles

Accounts

Environments

Inappropriate Behaviors

Familiarity with Policy

Final Deliverables

- A network access control policy
- An implementation policy
- Two evaluation templates
- A compliance strategy

Policy Overview

- General User Guidelines
- Account Requirements
- Network Access Requirements
- Change Requirements
- System Requirements
- Responsibilities
- Exception

Solution

Create a network policy and other related documentations to regulate network access .

Cleaning and analyzing data based on feedbacks

Risk Matrix	Before Firewalls			After Firewalls		
	Impact	Likelihood	Risk	Impact	Likelihood	Risk
1.Unauthorized input of falsified, corrupted data	High	Medium	High	High	Low	Medium
2.Unauthorized actor steals data	High	High	High	High	Low	Medium
3.Accidental deletion of data	Low	Medium	Low	Low	Low	Low
4.Maliciously massive data deletion	High	Medium	High	Medium	Low	Low
5.Intentional Denial of Service	High	Medium	High	Medium	Low	Low
6. Service degradation caused by non-prod environment	Medium	Medium	Medium	Low	Low	Low

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