

INTRODUCTION

In searching for a new deployment solution, GTRI identified 15 ranked characteristics which an acceptable solution should possess. These 15 characteristics were used as the basis for this Analysis of Alternatives. This process consisted of a research phase and testing phase.

METHODS

During the research phase, the team compiled a list of potential solutions and performed a market survey on each product. As a result of this research, Ivanti DSM and Theopenem were selected for testing in a lab environment.

The testing phase consisted of building a test environment for each tool. These environments were relatively simple and consisted of one server, a small network, and a client. During this phase, the tools were evaluated using GTRI's requirements and any other features which may be useful to GTRI.

RESULTS

PR#	PRR	Requirement	KACE	Theopenem	Ivanti DSM	SCCM	Fog Project	Endpoint Central	Intune	Acronis Snap Deploy	Paragon Deployment Manager	Symantec Ghost
1	10	Win10/11 Deployment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	10	RHEL8/9 Deployment	RHEL9 Pending	✓	✓	✓	✓	✗	✗	✓	✗	✗
8	10	Multi-Model Support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	9	Multi-User Support	✓	✓	✓	✓	✓	✓	✓	Unclear	✓	✓
12	9	Client-Side Scripting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	8	Update Client	✓	✓	✓	✓	✗	✓	✓	✗	✓	✗
14	8	25 Clients Simultaneously	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
13	7	2 Hour Deployment	✓	✓	✓	✓	✓	✓	✓	0	✓	✓
7	6	Local Client Configuration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	6	Join Central Management System (AD)	✓	✓	✓	✗	✓	✗	✗	✓	✗	✗
4	5	Ubuntu Deployment	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗
10	5	Encrypt Hard Drive	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗
15	5	Reviews	4/5	4/5	4.7/5	4/5	4.5/5	4.2/5	4.3/5	4.5/5	0/5	4/5
2	3	WinSrv2019/2022 Deployment	Pending	✗	✗	✗	✗	✗	✗	✗	✗	✗
5	2	OSX Deployment	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Score			103/103 = 100%	101/103 = 98%	96/103 = 93%	96/103 = 93%	87/103 = 84%	86/103 = 83%	86/103 = 83%	73/94 = 78%	75/103=73%	73/103 = 70%

Based on the research and testing phases' results, it was concluded that Theopenem was the optimal deployment tool for GTRI, given its ease of use and performance over Ivanti DSM.

Ivanti DSM				
PR#	PRR	Requirement	Tested	Result
1	10	Win10/11 Deployment	✓	✓
3	10	RHEL8/9 Deployment	✓	✗
8	10	Multi-Model Support	✓	✓
6	9	Multi-User Support	✓	✓
12	9	Client-Side Scripting	✓	✓
9	8	Update Client	✓	✓
14	8	25 Clients Simultaneously	✗	✗
13	7	2 Hour Deployment	✓	✓
7	6	Local Client Configuration	✓	✓
11	6	Join Central Management System (AD)	✗	✗
4	5	Ubuntu Deployment	✓	✗
10	5	Encrypt Hard Drive	✓	✓
15	5	Reviews	○	○
2	3	WinSrv2019/2022 Deployment	○	○
5	2	OSX Deployment	○	○
x	x	Remote Access	✗	✗
x	x	Sending Messages	✗	✗

Theopenem				
PR#	PRR	Requirement	Tested	Result
1	10	Win10/11 Deployment	✓	✓
3	10	RHEL8/9 Deployment	✓	✓
8	10	Multi-Model Support	✓	✓
6	9	Multi-User Support	✓	✓
12	9	Client-Side Scripting	✓	✓
9	8	Update Client	✓	✓
14	8	25 Clients Simultaneously	✗	✗
13	7	2 Hour Deployment	✓	✓
7	6	Local Client Configuration	✓	✓
11	6	Join Central Management System (AD)	✗	✗
4	5	Ubuntu Deployment	✓	✓
10	5	Encrypt Hard Drive	✓	✓
15	5	Reviews	○	○
2	3	WinSrv2022 Deployment	○	○
5	2	OSX Deployment	○	○
x	x	Remote Access	✓	✓
x	x	Sending Messages	✓	✗

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