

Experimental Research on Home Gateway Devices

INTRODUCTION

These posters show the current results of an ongoing experimental research on different home gateway devices that can perform Network Address Translation (NAT). Many of the home gateway devices have different characteristics and behavior patterns and for this research the intend is to gather as many devices as possible to map out these differencies.

The table at the bottom of the poster lists the home gateway models included in the study, with the shorthand "tags" used throughout this paper.

TESTBED SETUP

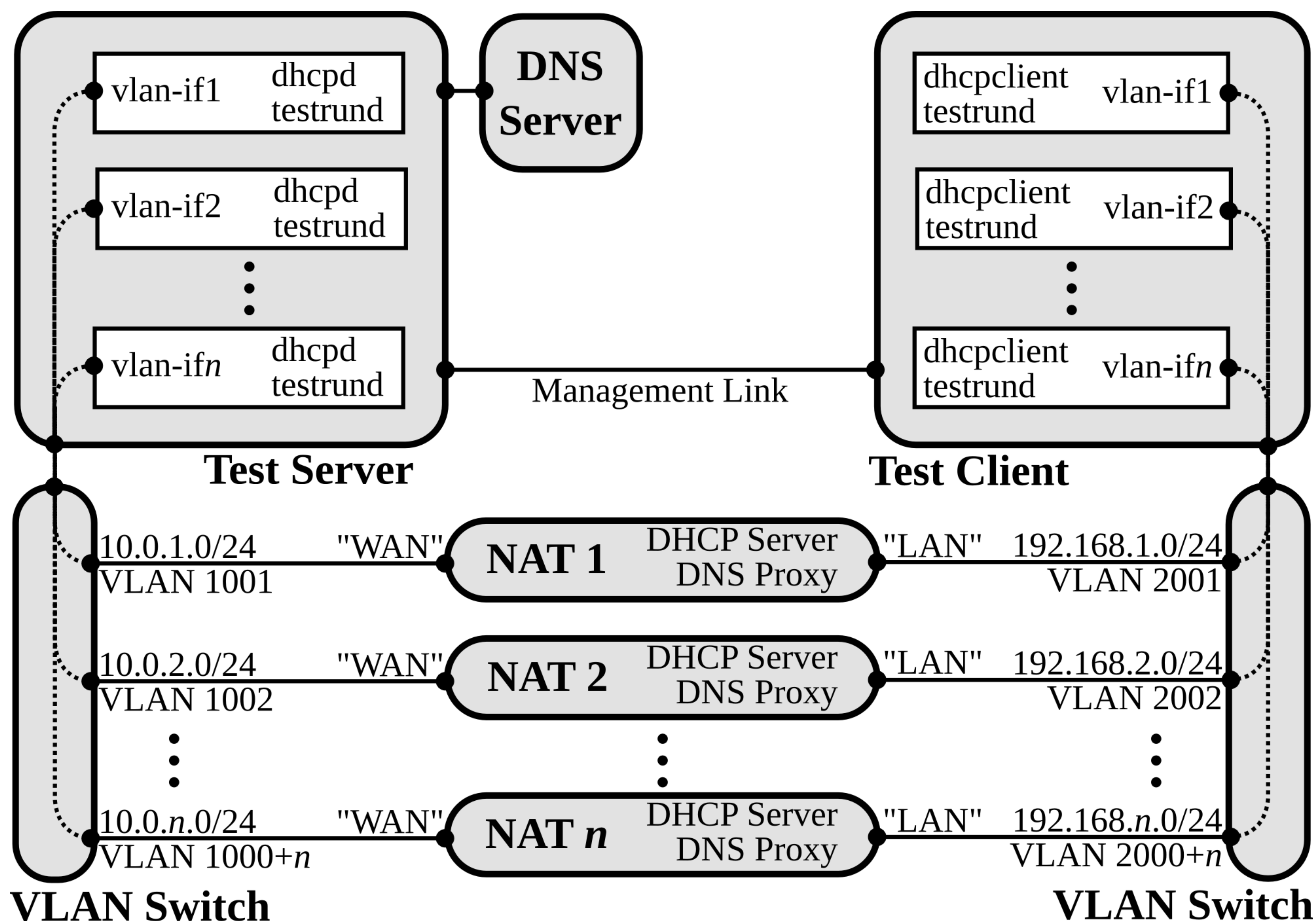


Figure: Setup of the experimental testbed.

LIST OF DEVICES IN THE TESTBED

Vendor	Model	Firmware	Tag
A-Link	WNAP	e2.0.9A	<i>al</i>
Apple	Airport Express	7.4.2	<i>ap</i>
Asus	RT-N15	2.0.1.1	<i>as1</i>
Belkin	Wireless N Router	F5D8236-4 WW 3.00.02	<i>be1</i>
	Enhanced N150	F6D4230-4 WW 1.00.03	<i>be2</i>
Buffalo	WZR-AGL300NH	R1.06/B1.05	<i>bu1</i>
	DIR-300	1.03	<i>dl1</i>
	DIR-300	1.04	<i>dl2</i>
D-Link	DI-524up	v1.06	<i>dl3</i>
	DI-524	v2.0.4	<i>dl4</i>
	DIR-100	v1.12	<i>dl5</i>
	DIR-600	v2.01	<i>dl6</i>
	DIR-615	v4.00	<i>dl7</i>
	DIR-635	v2.33EU	<i>dl8</i>
	DI-604	v3.09	<i>dl9</i>
	DI-713P	2.60 build 6a	<i>dl10</i>
Edimax	6104WG	2.63	<i>ed</i>

LIST OF DEVICES IN THE TESTBED

Vendor	Model	Firmware	Tag
Jensen	Air:Link 59300	1.15	<i>je</i>
	BEFSR41c2	1.45.11	<i>ls1</i>
	WR54G	v7.00.1	<i>ls2</i>
Linksys	WRT54GL v1.1	v4.30.7	<i>ls3</i>
	WRT54GL-EU	v4.30.7	<i>ls5</i>
	WRT54G	OpenWRT RC5	<i>owrt</i>
	WRT54GL v1.1	tomato 1.27	<i>to</i>
Netgear	RP614 v4	V1.0.2_06.29	<i>ng1</i>
	WGR614 v7	(1.0.13 1.0.13)	<i>ng2</i>
	WGR614 v9	V1.2.6_18.0.17	<i>ng3</i>
	WNR2000-100PES	v.1.0.0.34 29.0.45	<i>ng4</i>
	WGR614 v4	V5.0_07	<i>ng5</i>
Njetwjork	54M	Ver 1.2.6	<i>nw1</i>
SMC Barricade	SMC7004VBR	R1.07	<i>smc</i>
Telewell	TW-3G	V7.04b3	<i>te</i>
Webee	Wireless N Router	e2.0.9D	<i>we</i>
ZyXel	P-335U	V3.60(AMB.2)C0	<i>zy1</i>