

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Schedule 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES
13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 (b)
(Amendment No. _____)*

Network Appliance, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

64120L104

(CUSIP Number)

December 31, 1999

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule
is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's
initial filing on this form with respect to the subject class of securities, and
for any subsequent amendment containing information which would alter
disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed
to be "filed" for the purpose of Section 18 of the Securities Exchange Act of
1934 ("Act") or otherwise subject to the liabilities of that section of the Act
but shall be subject to all other provisions of the Act (however, see the
Notes).

(Continued on following pages)

Page 1 of 12 Pages

Exhibit Index on page 11

CUSIP NO. 641 20L 104

13 G

Page 2 of 12 Pages

1 NAME OF REPORTING PERSON

See Item 2 for identification of General Partner
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
Vanguard IV, L.P. ("Vanguard IV")
Tax ID Number: 77-0316839

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b) [X]

3 SEC USE ONLY

1 NAME OF REPORTING PERSON

I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
 Jack M. Gill ("Gill")
 Tax ID Number:

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) (b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
U.S. Citizen

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 62,920 shares
	6	SHARED VOTING POWER 75,144 shares, all of which are directly owned by Vanguard IV. Gill is a general partner of VVP, the general partner of Vanguard IV, and may be deemed to have shared power to vote these shares.
	7	SOLE DISPOSITIVE POWER 62,920 shares
	8	SHARED DISPOSITIVE POWER 75,144 shares, all of which are directly owned by Vanguard IV. Gill is a general partner of VVP, the general partner of Vanguard IV, and may be deemed to have shared power to dispose of these shares.

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

137,064

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0.2%

12 TYPE OF REPORTING PERSON*

IN

1 NAME OF REPORTING PERSON

I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
 Curtis K. Myers ("Myers")
 Tax ID Number:

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) (b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
U.S. Citizen

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 12,496
	6	SHARED VOTING POWER 75,144 shares, all of which are directly owned by Vanguard IV. Myers is a general partner of VVP, the general partner of Vanguard IV, and may be deemed to have shared power to vote these shares.
	7	SOLE DISPOSITIVE POWER 12,496
	8	SHARED DISPOSITIVE POWER 75,144 shares, all of which are directly owned by Vanguard IV. Myers is a general partner of VVP, the general partner of Vanguard IV, and may be deemed to have shared power to dispose of these shares.

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

87,640

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
0.1%

12 TYPE OF REPORTING PERSON*
IN

CUSIP NO. 641 20L 104 13 G Page 6 of 12 Pages

1 NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
Clifford H. Higginson ("Higginson")
Tax ID Number:

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) (b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
U.S. Citizen

NUMBER OF SHARES 5 SOLE VOTING POWER
268,818

BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER
75,144 shares, all of which are directly owned by Vanguard IV. Higginson is a general partner of VVP, the general partner of Vanguard IV, and may be deemed to have shared power to vote these shares.

7 SOLE DISPOSITIVE POWER
268,818

8 SHARED DISPOSITIVE POWER
75,144 shares, all of which are directly owned by Vanguard IV. Higginson is a general partner of VVP, the general partner of Vanguard IV, and may be deemed to have shared power to dispose of these shares.

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 343,962

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
0.5%

12 TYPE OF REPORTING PERSON*
IN

CUSIP NO. 641 20L 104 13 G Page 7 of 12 Pages

ITEM 1(a). NAME OF ISSUER:

Network Appliance, Inc.

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

495 East Java Drive
Sunnyvale, CA 94089

ITEM 2(a). NAME OF PERSON FILING:

This statement is filed by Vanguard Associates IV, L.P., a

- Person.
- (ii) Shared power to vote or to direct the vote:

See Row 6 of cover page for each Reporting Person.
- (iii) Sole power to dispose or to direct the disposition of:
See Row 7 of cover page for each Reporting Person.
- (iv) Shared power to dispose or to direct the disposition of:

See Row 8 of cover page for each Reporting Person.

CUSIP NO. 641 20L 104

13 G

Page 9 of 12 Pages

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: Yes

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

Under certain circumstances set forth in the limited partnership agreements of Vanguard IV and VVP, the general and limited partners, as the case may be, of each of such entities may be deemed to have the right to receive dividends from, or the proceeds from, the sale of shares of the issuer owned by each such entity of which they are a partner.

ITEM 7.

IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

Not applicable.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP:

Not applicable

ITEM 10. CERTIFICATION:

Not applicable

SIGNATURES

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 10, 2000

VANGUARD IV, a Delaware
Limited Partnership

By: /s/ Clifford H. Higgerson

Clifford H. Higgerson
Authorized Signatory

VANGUARD VENTURE PARTNERS, a Delaware
Limited Partnership

By: /s/ Clifford H. Higgerson

Clifford H. Higgerson
Authorized Signatory

Jack M. Gill

By: /s/ Jack M. Gill

Jack M. Gill

Curtis K. Myers

By: /s/ Curtis K Myers

Curtis K. Myers

Clifford H. Higgerson

By: /s/ Clifford H. Higgerson

Clifford H. Higgerson

EXHIBIT INDEX

Exhibit

Exhibit A: Agreement of Joint Filing

Found on
Sequentially
Numbered Page

12

EXHIBIT A

Agreement of Joint Filing

The undersigned hereby agree that a single Schedule 13G (or any amendment thereto) relating to the Common Stock of Network Appliances, Inc. shall be filed on behalf of each of the undersigned and that this Agreement shall be filed as an exhibit to such Schedule 13G.

Dated: February 10, 2000

February 10, 2000

VANGUARD IV, a Delaware
Limited Partnership

By: /s/ Clifford H. Higgerson

Clifford H. Higgerson
Authorized Signatory

February 10, 2000

VANGUARD VENTURE PARTNERS, a Delaware
Limited Partnership

By: /s/ Clifford H. Higgerson

Clifford H. Higgerson
Authorized Signatory

February 10, 2000

Jack M. Gill

By: /s/ Jack M. Gill

Jack M. Gill

February 10, 2000

Curtis K. Myers

By: /s/ Curtis K Myers

Curtis K. Myers

February 10, 2000

Clifford H. Higgerson

By: /s/ Clifford H. Higgerson

Clifford H. Higgerson