INTERNAP NETWORK SERVICES CORP Form SC 13D/A February 08, 2012

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934 (Amendment No. 5)

Internap Network Services Corporation (Name of Issuer)

Common Stock (Title of Class of Securities)

_____45885A300_____ (CUSIP Number)

David Goldman GAMCO Investors, Inc. One Corporate Center Rye, New York 10580-1435 (914) 921-5000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

February 6, 2012	
(Date of Event which Requires Filing of this Statement)	

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box .

CUSIP No. 45885A300

Names of reporting persons

I.R.S. identification nos. of above persons (entities only)

Gabelli Funds, LLC I.D. No. 13-4044523

2 Check the appropriate box if a member of a group (SEE INSTRUCTIONS) (a)

(b)

- 3 Sec use only
- 4 Source of funds (SEE INSTRUCTIONS) 00-Funds of investment advisory clients
- 5 Check box if disclosure of legal proceedings is required pursuant to items 2 (d) or 2 (e) X
- 6 Citizenship or place of organization

New York

Number Of : 7 Sole voting power

Shares 1,030,051 (Item 5)

Beneficially

: 8 Shared voting power

Owned None

By Each : 9 Sole dispositive power

Reporting 1,030,051 (Item 5)

Person :10 Shared dispositive power

With None

11 Aggregate amount beneficially owned by each reporting person

1,030,051 (Item 5)

- 12 Check box if the aggregate amount in row (11) excludes certain shares (SEE INSTRUCTIONS)
- 13 Percent of class represented by amount in row (11)

1.96%

14 Type of reporting person (SEE INSTRUCTIONS) IA, CO

CUSIP No. 45885A300

1 Names of reporting persons

I.R.S. identification nos. of above persons (entities only)

GAMCO Asset Management, Inc.

I.D. No. 13-4044521

Sole dispositive power

2 Check the appropriate box if a member of a group (SEE INSTRUCTIONS) (a)

(b)

- 3 Sec use only
- 4 Source of funds (SEE INSTRUCTIONS) 00-Funds of investment advisory clients
- 5 Check box if disclosure of legal proceedings is required pursuant to items 2 (d) or 2 (e)
- 6 Citizenship or place of organization

New York

: 7 Number Of Sole voting power

4,490,215 (Item 5) Shares

Beneficially : 8 Shared voting power

Owned None

By Each : 9

4,506,715 (Item 5) Reporting

Person :10

Shared dispositive power

With None

11 Aggregate amount beneficially owned by each reporting person

4,506,715 (Item 5)

- 12 Check box if the aggregate amount in row (11) excludes certain shares (SEE INSTRUCTIONS)
- 13 Percent of class represented by amount in row (11)

8.59%

14 Type of reporting person (SEE INSTRUCTIONS) IA, CO

CUSIP No. 45885A300

1 Names of reporting persons

I.R.S. identification nos. of above persons (entities only)

Teton Advisors, Inc.

I.D. No. 13-4008049

2 Check the appropriate box if a member of a group (SEE INSTRUCTIONS) (a)

(b)

- 3 Sec use only
- 4 Source of funds (SEE INSTRUCTIONS) 00 – Funds of investment advisory client.
- 5 Check box if disclosure of legal proceedings is required pursuant to items 2 (d) or 2 (e)
- 6 Citizenship or place of organization

Delaware

Number Of : 7 Sole voting power

:

Shares : 340,000 (Item 5)

Beneficially : 8 Shared voting power

:

Owned : None

By Each : 9 Sole dispositive power

.

Reporting : 340,000 (Item 5)

.

Person :10 Shared dispositive power

:

With : None

Aggregate amount beneficially owned by each reporting person

340,000 (Item 5)

- 12 Check box if the aggregate amount in row (11) excludes certain shares (SEE INSTRUCTIONS)
- Percent of class represented by amount in row (11)

0.65%

14 Type of reporting person (SEE INSTRUCTIONS)

IA, CO

CUSIP No. 45885A300

1 Names of reporting persons

I.R.S. identification nos. of above persons (entities only)

Gabelli Securities, Inc.

I.D. No. 13-3379374

2 Check the appropriate box if a member of a group (SEE INSTRUCTIONS) (a)

(b)

- 3 Sec use only
- 4 Source of funds (SEE INSTRUCTIONS)

00 – Client funds

- 5 Check box if disclosure of legal proceedings is required pursuant to items 2 (d) or 2 (e)
- 6 Citizenship or place of organization

Delaware

Number Of : 7 Sole voting power

:

Shares : 30,000 (Item 5)

Beneficially : 8

Shared voting power

None

:

Owned :

By Each : 9 Sole dispositive power

.

Reporting : 30,000 (Item 5)

:

Person :10 Shared dispositive power

:

With : None

.

Aggregate amount beneficially owned by each reporting person

30,000 (Item 5)

- 12 Check box if the aggregate amount in row (11) excludes certain shares (SEE INSTRUCTIONS)
- Percent of class represented by amount in row (11)

0.06%

Type of reporting person (SEE INSTRUCTIONS)
HC, CO, IA

CUSIP	No. 45885A300						
1	Names of reporting persons I.R.S. identification nos. of above persons (entities only) GGCP, Inc. No. 13-3056041						
2	No. 13-3056041 Check the appropriate box if a member of a group (SEE INSTRUCTIONS) (a)						
	(b)						
3	Sec use only						
4	Source of funds (SEE INSTRUCTIONS) None						
5	Check box if disclosure of legal proceedings is required pursuant to items 2 (d) or 2 (e)						
6	Citizenship or place Wyoming	e of organization					
	Number Of	: 7	Sole voting power				
	Shares	: :	None (Item 5)				
	Beneficially	: 8	Shared voting power				
	Owned	: :	None				
	By Each	: 9	Sole dispositive power				
	Reporting	:	None (Item 5)				
	Person	:10 :	Shared dispositive power				
	With	: :	None				
11	: Aggregate amount beneficially owned by each reporting person						
	None (Item 5)						
12	Check box if the aggregate amount in row (11) excludes certain shares (SEE INSTRUCTIONS) X						
13	Percent of class represented by amount in row (11)						
	0.00%						
14	Type of reporting person (SEE INSTRUCTIONS)						

HC, CO

CUSIP No.	No. 45885A300 Names of reporting persons I.R.S. identification nos. of above persons (entities only) GAMCO Investors, Inc. No. 13-4007862 Check the appropriate box if a member of a group (SEE INSTRUCTIONS) (a)					
	(b)					
3	Sec use only					
4	Source of funds (SEE INSTRUCTIONS) None					
5	Check box if disclosure of legal proceedings is required pursuant to items 2 (d) or 2 (e)					
6	Citizenship or place of organization New York					
	Number Of	: 7	Sole voting power			
	Shares	; ;				
	Beneficially	:				
	Owned					
	By Each					
	Reporting					
	Person					
	With					