INTERNAP NETWORK SERVICES CORP Form SC 13D/A June 02, 2011

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934 (Amendment No. 1)

Internap Network Services Corporation (Name of Issuer)

Common Stock (Title of Class of Securities)

_____45885A300_____ (CUSIP Number)

Peter D. Goldstein 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)

June 1, 2011	
(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

1 Names of reporting persons

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

Gabelli Funds, LLC

I.D. No. 13-4044523

Shared voting 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) X
- 6 Citizenship or place of organization

New York

Number Of : 7 Sole voting power

•

Shares : 571,335 (Item 5)

Beneficially : 8

.

Owned: None

:

By Each : 9 Sole dispositive power

:

Reporting : 571,335 (Item 5)

:

Person :10 Shared dispositive power

•

With : None

.

Aggregate amount beneficially owned by each reporting person

571,335 (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)

1.09%

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

Shared 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

Number Of : 7 Sole voting power

:

Shares : 2,848,396 (Item 5)

•

Beneficially : 8 Shared voting power

:

Owned: None

By Each : 9 Sole dispositive power

.

Reporting : 2,881,396 (Item 5)

Person :10

:

•

With : None

Aggregate amount beneficially owned by each reporting person

2,881,396 (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)

5.51%

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 : 209,400 (Item 5)

•

Beneficially : 8 Shared voting power

:

Owned : None

By Each : 9 Sole dispositive power

.

Reporting : 209,400 (Item 5)

•

Person :10 Shared dispositive power

:

With : None

Aggregate amount beneficially owned by each reporting person

209,400 (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)

0.40%

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 22,000 (Item 5)

Beneficially

Shared voting power

: 8

Owned None

: 9 By Each Sole dispositive power

Reporting 22,000 (Item 5)

:10 Person

Shared dispositive power

With None

11 Aggregate amount beneficially owned by each reporting person

22,000 (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)

0.04%

14 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.					
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	6 Citizenship or place of organization Wyoming					
	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. 4	45885A300				
1	Names of reporting persons				
	I.R.S. identification nos. of above persons (entities only) GAMCO Investors, Inc. I.	D.			
	No. 13-4007862	υ.			
	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 :				
	Shares :				
	Beneficially				
	Owned				
	By Each				
	Reporting				
	Person				
	With				