

Example 8-3 on page 304 shows statistics for the two node members of cluster ITS0_9100. For each node, the following columns are displayed:

- ▶ `stat_name`. The name of the statistic field.
- ▶ `stat_current`. The current value of the statistic field.
- ▶ `stat_peak`. The peak value of the statistic field in the last 5 minutes.
- ▶ `stat_peak_time`. The time that the peak occurred.

However, the **lssystemstats** command lists the same set of statistics that is listed with the **lsnodestats** command, but representing all nodes in the cluster. The values for these statistics are calculated from the node statistics values in the following way:

- ▶ Bandwidth. Sum of bandwidth of all nodes.
- ▶ Latency. Average latency for the cluster, which is calculated by using data from the whole cluster, not an average of the single node values.
- ▶ IOPS. Total IOPS of all nodes.
- ▶ CPU percentage. Average CPU percentage of all nodes.

Example 8-4 shows the resulting output of the **lssystemstats** command.

Example 8-4 The lssystemstats command output

```
IBM_FlashSystem:ITS0_9100:superuser>lssystemstats
stat_name      stat_current  stat_peak  stat_peak_time
compression_cpu_pc 0           0          180929125231
cpu_pc         1           1          180929125231
fc_mb          0           0          180929125231
fc_io          10          11         180929125146
sas_mb         0           0          180929125231
sas_io         0           0          180929125231
iscsi_mb       0           0          180929125231
iscsi_io       0           0          180929125231
write_cache_pc 0           0          180929125231
total_cache_pc 0           0          180929125231
vdisk_mb       0           0          180929125231
vdisk_io       0           0          180929125231
vdisk_ms       0           0          180929125231
mdisk_mb       0           0          180929125231
mdisk_io       0           0          180929125231
mdisk_ms       0           0          180929125231
drive_mb       0           0          180929125231
drive_io       0           5          180929125211
drive_ms       0           0          180929125231
vdisk_r_mb     0           0          180929125231
vdisk_r_io     0           0          180929125231
vdisk_r_ms     0           0          180929125231
vdisk_w_mb     0           0          180929125231
vdisk_w_io     0           0          180929125231
vdisk_w_ms     0           0          180929125231
mdisk_r_mb     0           0          180929125231
mdisk_r_io     0           0          180929125231
mdisk_r_ms     0           0          180929125231
mdisk_w_mb     0           0          180929125231
mdisk_w_io     0           0          180929125231
mdisk_w_ms     0           0          180929125231
drive_r_mb     0           0          180929125231
```