

```
[admin@serverf ~]$ dd if=/dev/zero of=/tmp/backup-object-20MB.bin \
bs=2048K count=10
10+0 records in
10+0 records out
20971520 bytes (21 MB, 20 MiB) copied, 0.010515 s, 2.0 GB/s
```

5.2. Upload the backup-object20MB.bin file to the backup-artifacts bucket.

```
[admin@serverf ~]$ swift -V 1.0 -A http://serverf:80/auth/v1 -U operator:swift \
-K opswift upload backup-artifacts /tmp/backup-object-20MB.bin --object-name \
backup-object-20MB.bin
...output omitted...
```

5.3. View the statistics for the backup-artifacts bucket and verify that it contains the uploaded object.

```
[admin@serverf ~]$ swift -V 1.0 -A http://serverf:80/auth/v1 -U operator:swift \
-K opswift stat backup-artifacts
...output omitted...
```

6. On the serverc node, download the backup-object-20MB.bin file to the /home/admin directory.

```
[admin@serverf ~]$ exit
Connection to serverf closed.
[admin@serverc ~]$ swift -V 1.0 -A http://serverf:80/auth/v1 -U operator:swift \
-K opswift download backup-artifacts backup-object-20MB.bin
```

7. Return to workstation as the student user.

```
[admin@serverc ~]$ exit
[student@workstation ~]$
```

## Evaluation

Grade your work by running the `lab grade api-review` command from your workstation machine. Correct any reported failures and rerun the script until successful.

```
[student@workstation ~]$ lab grade api-review
```

## Finish

On the workstation machine, use the `lab` command to complete this exercise. This is important to ensure that resources from previous exercises do not impact upcoming exercises.

```
[student@workstation ~]$ lab finish api-review
```

This concludes the lab.