

Step 1: Install MongoDB Database Tools 1. Download from <https://www.mongodb.com/try/download/database-tools> 2. Install on your local machine. 3. Confirm installation:

```
"C:\Program Files\MongoDB\Tools\100\bin\mongodump.exe" --version  
"C:\Program Files\MongoDB\Tools\100\bin\mongorestore.exe" --version
```

Step 2: Locate Cluster SRV Strings 1. Go to MongoDB Atlas → Clusters → Connect → Connect with MongoDB Shell. 2. Copy SRV string for source (old) and target (new) clusters. Example: `mongodb+srv://<username>:<password>@cluster0.abcd.mongodb.net/<DB_NAME>`

Step 3: Dump Data from Old Cluster

```
& "C:\Program Files\MongoDB\Tools\100\bin\mongodump.exe" --uri "mongodb+srv://  
<username>:<password>@<OLD_CLUSTER>.mongodb.net" "C:\Users\<YourUser>\atlas-  
backup"
```

- Creates folder `atlas-backup` with subfolders for each database.

Step 4: Optional - Inspect Dump Convert `.bson` to JSON:

```
& "C:\Program Files\MongoDB\Tools\100\bin\bsondump.exe" "C:  
\Users\<YourUser>\atlas-backup\<DB_NAME>\<collection>.bson" > collection.json
```

Step 5: Restore Data to New Cluster

```
& "C:\Program Files\MongoDB\Tools\100\bin\mongorestore.exe" --uri  
"mongodb+srv://<username>:<password>@<NEW_CLUSTER>.mongodb.net" "C:  
\Users\<YourUser>\atlas-backup\<DB_NAME>"
```

- Repeat for multiple databases. - Optional: use `--nsFrom` and `--nsTo` to rename database during restore.

Step 6: Verify 1. Log into MongoDB Atlas → new cluster → Browse Collections. 2. Confirm collections and document counts. 3. Test your application pointing to the new cluster URI.

Tips / Notes - Use full paths for `mongodump` / `mongorestore` in Windows if PATH is not set. - For large datasets, consider Cluster-to-Cluster Sync. - Always keep a local backup before restoring.