Analyzing what you sampled

active (SampleSet)

samples (list of Sample)

- trajectory (Trajectory)
- ensemble (Ensemble)
- replica (int)

"active": state of the system after the step

```
sample = storage.steps[10].active[ensemble]
sample = storage.steps[10].active[0] # replica ID
```

(Trajectory)

(list of Snapshot)

Features depend on engine. Common examples:

- coordinates (numpy.array)
- velocities (numpy.array)
- box_vectors (numpy.array)

Analyze trajectory by accessing "features":

```
# from a snapshot
trajectory[5].coordinates
# for the whole trajectory
trajectory.coordinates
```

Other "features":

- masses
- instantaneous_temperature
- xyz (unitless coordinates)

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trajectory.coordinates
```

Or, convert trajectory to MDTraj:

```
from openpathsampling.engines.openmm.tools \
    import trajectory_to_mdtraj

new_traj = trajectory_to_mdtraj(trajectory)
```

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