-Left-click and hold to rotate
-Middle click and scroll to zoom
-5fdŽdỸZfUᶠU fabS
-Navigate views with buttons.

Atomic positions:
$$0\ 0\ 0 \text{ and } \tfrac{1}{2}\tfrac{1}{2}0, \tfrac{1}{2}0\tfrac{1}{2}, 0\tfrac{1}{2}\tfrac{1}{2}$$

Atoms touch along body diagonal:
$$\text{Coordination} = 12$$

Atoms per unit cell:
$$n = N_i + \frac{N_f}{2} + \frac{N_c}{8} = 4$$

Lattice parameter
$$a = 2r_{Al}/\sqrt{2}$$

Atomic packing factor
$$(\text{APF}) = \frac{n\ V_{atom}}{V_{u.c}} = 0.74$$

Calculate density:
$$\rho = \frac{n\ A}{V_{u.c}\ N_A}$$