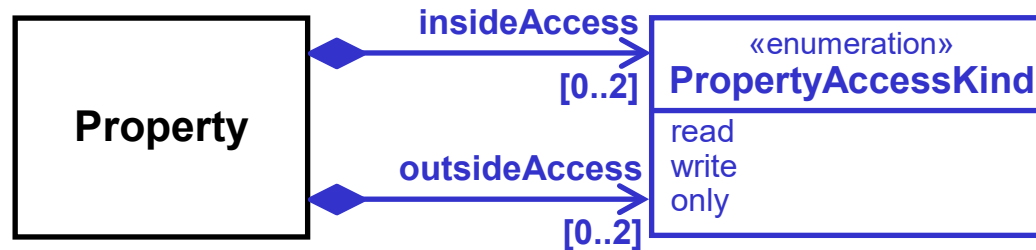


Property Access

Metamodel
(M2)



Value = only (and nothing else) is no access. Chas:
More obvious way to say this?

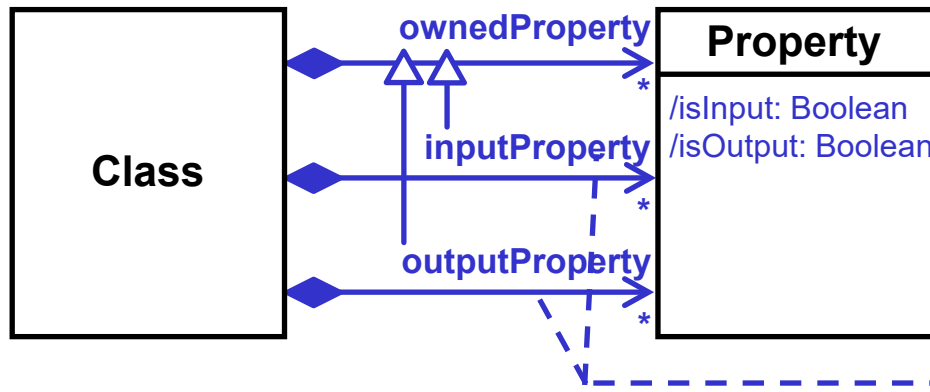
Default: no values for access (unknown).
Does this mean full access or no access?
Strict policy would be no access.

- **Inside/outside constrain which occurrences have access to property values.**
 - Inside = occurrences of behaviors owned by class owning the property, or its specializations. **or parts of class recursively?**
 - Outside = not inside.
- **Applies to all instances of class owning property.**
 - Specializations cannot remove permissions.
 - Specializations can add when access is not “only”.

Inputs & Outputs

Chas: M1
model?

Metamodel
(M2)



Ordered i/oProperty?
For marshaling.
Inheritance problems.

{ input / output properties
must have inside read &
outside write / outside read
& inside write access,
respectively.}

- In/outputs properties are always owned (attrs).
 - Can't indicate I/O directly on Property (why not?).
- in/outputProperty not derived, some
 - inside write & outside read are not “outputs”, eg, temperature.
 - outside write & inside read are not “inputs”, eg, system operator.
- Use SysML flow property notation?
- See usage in item flows:
 - Behavior “parameters”.
 - Participant “end points”.