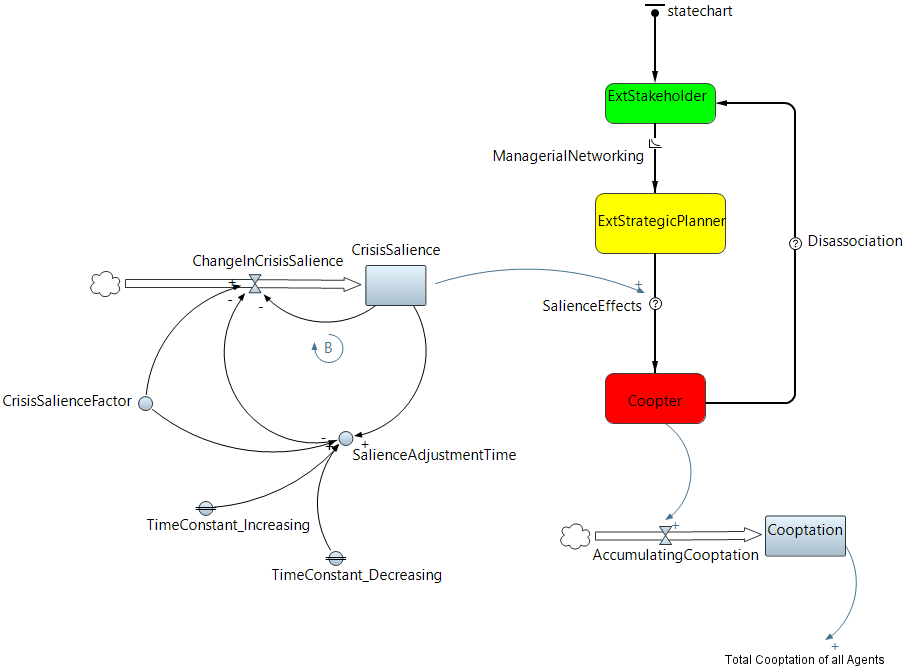
**Supplementary Information for Website**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Documentation |  |  |  |  |  |  |
|  | AB-SD Hybrid Model: Strategic Planning, Crisis & Cooptation  Implemented in AnyLogic 8 | | | | |  |  |
|  |  |  |  |  |  |  |  |
|  | Name | Value | | |  |  |  |
|  | General | | | |  |  |  |
|  | Model time units | months | | |  |  |  |
|  | Numerical methods | | | |  |  |  |
|  | Differention Equations Method | Euler | | |  |  |  |
|  | Algebraic Equations Method | Modified Newton | | |  |  |  |
|  | Mixed Equations Method | RK45+Newton | | |  |  |  |
|  | Absolute accuracy | 1.0E-5 | | |  |  |  |
|  | Time accuracy | 1.0E-5 | | |  |  |  |
|  | Relative accuracy | 1.0E-5 | | |  |  |  |
|  | Fixed time step | 0.001 | | |  |  |  |
|  |  | | | | |  |  |
|  | Agent Type: ExternalStakeholder | | | | |  |  |
|  |  |  |  |  |  |  |  |
|  | Name | Value | | |  |  |  |
|  | Agent in flowcharts | | | |  |  |  |
|  | Use in flowcharts as | Agent | | |  |  |  |
|  | Dimensions and movement | | | |  |  |  |
|  | Speed | (10 : MPS) | | |  |  |  |
|  | Rotate animation towards movement | true | | |  |  |  |
|  | Rotate vertically as well (along Z-axis) | true | | |  |  |  |
|  | Space and network | | | |  |  |  |
|  | Space Type | Continuous | | |  |  |  |
|  | Advanced Java | | | |  |  |  |
|  | Generic | false | | |  |  |  |



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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Parameter: CrisisSalienceFactor | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Default value | | | | | | | triangular(0, 100, 20) | | | | | | | | | | |  | | | |  |  |
|  | Type | | | | | | | double | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Value editor | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Editor control | | | | | | | Text | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Save in snapshot | | | | | | | true | | | | | | | | | | |  | | | |  |  |
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|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Stock: CrisisSalience | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Description: Salience of crises: initially, 0 (no crises in memory). | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Equation mode | | | | | | | Classic | | | | | | | | | | |  | | | |  |  |
|  | Initial value | | | | | | | 0 | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | Salience of crises: initially, 0 (no crises in memory). | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | | | | | | | |  | | | |  |  |
|  | Dynamic Variable: SalienceAdjustmentTime | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | CrisisSalienceFactor >= CrisisSalience ? TimeConstant\_Increasing : TimeConstant\_Decreasing | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
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|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Dynamic Variable: TimeConstant\_Decreasing | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Description: Time constant governing adjustment when output is decreasing | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Value | | | | | | | 9 | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | Time constant governing adjustment when output is decreasing | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Dynamic Variable: CrisisSalienceFactor | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | main.fiscalResilienceGap | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | | | | | | | |  | | | |  |  |
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|  |  | | | | | | | | | | | | | | | | | | | | | |  |  |
|  | Dynamic Variable: TimeConstant\_Increasing | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Value | | | | | | | 3 | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | Time constant that characterizes the adjustment when the output is increasing (when delay X exceeds or equals the output X'). | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | |  | | |  | | |  | | |  | | | |  |  |
|  | Flow: ChangeInCrisisSalience | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | |  | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | ( CrisisSalienceFactor - CrisisSalience ) / SalienceAdjustmentTime | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | |  | | |  | | |  | | |  | | | |  |  |
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|  |  | | | | | | |  | |  | | |  | | |  | | |  | | | |  |  |
|  | Flow: ChangeInCrisisSalience | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | | | | | | | | | | | | | | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | ( CrisisSalienceFactor - CrisisSalience ) / SalienceAdjustmentTime | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | |  | | |  | | |  | | |  | | | |  |  |
|  | Stock: Cooptation | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  |  |  | | | | |  | | | | |  | |  |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Equation mode | | | | | | | Classic | | | | | | | | | | |  | | | |  |  |
|  | Initial value | | | | | | | 0 | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Flow: AccumulatingCooptation | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  |  |  | | | | |  | | | | |  | |  |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | inState( Coopter ) ?  10 : 0 | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  |  | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  |  | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  |  | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  |  | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  |  | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  |  | | |  |  |
|  | Statechart Entry Point: statechart | | | | | | | | | | | | | | | | | | | | | |  |  |
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|  | Name | | | | | | | Value | | | | | | | | | | |  |  | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  |  | | |  |  |
|  | Logging | | | | | | | true | | | | | | | | | | |  |  | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  |  | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  |  | | |  |  |
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|  | Transition: ManagerialNetworking | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  |  | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  |  | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Rate | | | | | | | (main.NetworkingIndex : PER\_MONTH) | | | | | | | | | | |  | | | |  |  |
|  | Trigger type | | | | | | | Rate | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Transition: SalienceEffects | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Condition | | | | | | | CrisisSalience > 40 | | | | | | | | | | |  | | | |  |  |
|  | Trigger type | | | | | | | Condition | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Transition: Disassociation | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Condition | | | | | | | CrisisSalience < 60 | | | | | | | | | | |  | | | |  |  |
|  | Trigger type | | | | | | | Condition | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | State: ExtStakeholder | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Exit action | | | | | | |  | | | | | | | | | | |  | | | |  |  |
|  | Entry action | | | | | | | shapeBody.setFillColor(yellow) | | | | | | | | | | |  | | | |  |  |
|  | Fill color | | | | | | | white | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | State: ExtStrategicPlanner | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Entry action | | | | | | | shapeBody.setFillColor(lime); | | | | | | | | | | |  | | | |  |  |
|  | Fill color | | | | | | | white | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | State: Coopter | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Exit action | | | | | | | Cooptation = 0; | | | | | | | | | | |  | | | |  |  |
|  | Entry action | | | | | | | shapeBody.setFillColor(red); | | | | | | | | | | |  | | | |  |  |
|  | Fill color | | | | | | | white | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
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|  | Data Set: CooptationDS | | | | | | | | | | | | | | | | | | | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Dataset Samples To Keep | | | | | | | 500 | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Vertical Y Axis | | | | | | | Cooptation | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Freeze X Axis | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Data update | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Analysis auto update | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | ANALYSIS\_UPDATE\_TIME\_PROPERTIES | | | | | | | - Recurring Event Properties | | | | | | | | | | |  | | | |  |  |
|  | Logging | | | | | | | true | | | | | | | | | | |  | | | |  |  |
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|  |  | | | | | | | | | | | | | | | | | | | | | |  |  |
|  | Data Set: CrisisSalienceDS | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Dataset Samples To Keep | | | | | | | 500 | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Vertical Y Axis | | | | | | | CrisisSalience | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Freeze X Axis | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Data update | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Analysis auto update | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | ANALYSIS\_UPDATE\_TIME\_PROPERTIES | | | | | | | - Recurring Event Properties | | | | | | | | | | |  | | | |  |  |
|  | Logging | | | | | | | true | | | | | | | | | | |  | | | |  |  |
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|  | Group: person | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Lock | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Embedded icon | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Position and size | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | x | | | | | | | 0.0 | | | | | | | | | | |  | | | |  |  |
|  | y | | | | | | | 0.0 | | | | | | | | | | |  | | | |  |  |
|  | z | | | | | | | 0.0 | | | | | | | | | | |  | | | |  |  |
|  | Rotation | | | | | | | 0.0 | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Show in | | | | | | | 2D only | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Curve: shapeBody | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Polyline closed | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Lock | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Appearance | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Fill color | | | | | | | black | | | | | | | | | | |  | | | |  |  |
|  | Line width | | | | | | | 1.0 | | | | | | | | | | |  | | | |  |  |
|  | Line style | | | | | | | SOLID | | | | | | | | | | |  | | | |  |  |
|  | Position and size | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | x | | | | | | | -2.0 | | | | | | | | | | |  | | | |  |  |
|  | y | | | | | | | -7.0 | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Control points are set automatically | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Link to agents: connections | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Communication | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Message type | | | | | | | Object | | | | | | | | | | |  | | | |  |  |
|  | Animation | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Draw line | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Agent Type: Main | | | | | | | | | | | | | | | | | | | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | Use in flowcharts as | | | | | | | Agent | | | | | | | | | | |  | | | |  |  |
|  | Dimensions and movement | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Speed | | | | | | | (10 : MPS) | | | | | | | | | | |  | | | |  |  |
|  | Rotate animation towards movement | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Rotate vertically as well (along Z-axis) | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Space and network | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Space Type | | | | | | | Continuous | | | | | | | | | | |  | | | |  |  |
|  | Dynamic: Width | | | | | | | 500 | | | | | | | | | | |  | | | |  |  |
|  | Dynamic: Height | | | | | | | 500 | | | | | | | | | | |  | | | |  |  |
|  | Dynamic: z Height | | | | | | | 0 | | | | | | | | | | |  | | | |  |  |
|  | Layout Type | | | | | | | Random | | | | | | | | | | |  | | | |  |  |
|  | Layout Type Apply On Startup | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Network type | | | | | | | Random | | | | | | | | | | |  | | | |  |  |
|  | Network Type Apply On Startup | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Connections per agent | | | | | | | 2 | | | | | | | | | | |  | | | |  |  |
|  | Enable steps | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Advanced Java | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Generic | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Parameter: TimeForStrategicInterventions | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Default value | | | | | | | 12 | | | | | | | | | | |  | | | |  |  |
|  | Type | | | | | | | double | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Value editor | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Editor control | | | | | | | Slider | | | | | | | | | | |  | | | |  |  |
|  | Parameter Editor Minimum Value | | | | | | | 0 | | | | | | | | | | |  | | | |  |  |
|  | Parameter Editor Maximum Value | | | | | | | 60 | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Unit | | | | | | | months | | | | | | | | | | |  | | | |  |  |
|  | Save in snapshot | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Parameter: StartingFiscalResilience | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Default value | | | | | | | 50 | | | | | | | | | | |  | | | |  |  |
|  | Type | | | | | | | double | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Value editor | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Editor control | | | | | | | Slider | | | | | | | | | | |  | | | |  |  |
|  | Parameter Editor Minimum Value | | | | | | | 0 | | | | | | | | | | |  | | | |  |  |
|  | Parameter Editor Maximum Value | | | | | | | 100 | | | | | | | | | | |  | | | |  |  |
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|  | Parameter: TimeForPlanningGoal | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Default value | | | | | | | 1 | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
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|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | Type | | | | | | | double | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Value editor | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Editor control | | | | | | | Slider | | | | | | | | | | |  | | | |  |  |
|  | Parameter Editor Minimum Value | | | | | | | 0 | | | | | | | | | | |  | | | |  |  |
|  | Parameter Editor Maximum Value | | | | | | | 60 | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Parameter: InitialStrategicGoal | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Default value | | | | | | | 150 | | | | | | | | | | |  | | | |  |  |
|  | Type | | | | | | | double | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Value editor | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Editor control | | | | | | | Slider | | | | | | | | | | |  | | | |  |  |
|  | Parameter Editor Minimum Value | | | | | | | 0 | | | | | | | | | | |  | | | |  |  |
|  | Parameter Editor Maximum Value | | | | | | | 100 | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Unit | | | | | | | dmls | | | | | | | | | | |  | | | |  |  |
|  | Save in snapshot | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | | | | | | | | | | | | | | | | |  |  |
|  | Parameter: NetworkingIndex | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Default value | | | | | | | normal(3.28, 0.94) | | | | | | | | | | |  | | | |  |  |
|  | Type | | | | | | | double | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Value editor | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Editor control | | | | | | | Text | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Save in snapshot | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Parameter: DisassociationRate | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Default value | | | | | | | triangular(1,10,3) | | | | | | | | | | |  | | | |  |  |
|  | Type | | | | | | | double | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Value editor | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Editor control | | | | | | | Text | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Save in snapshot | | | | | | | true | | | | | | | | | | |  | | | |  |  |
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|  | Function: fiscalResilienceLevel | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | |  | | |  |  | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Return type | | | | | | | double | | | | | | | | | | |  | | | |  |  |
|  | Return type: | | | | | | | Returns value | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Function body | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Body | | | | | | | return fiscalResilienceOutput; | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Access type | | | | | | | default | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  |  | | | |  | | |  |  | | | |  | | |  | | |  | | | |  |  |
|  | Table Function: tableFunction | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | |  | | |  |  | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Out of range behavior | | | | | | | Extrapolate | | | | | | | | | | |  | | | |  |  |
|  | Interpolation | | | | | | | Linear | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Table data | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Load From Database | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Access type | | | | | | | public | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Table Data: | | | | | | | | | | | | | | | | | | | | | | |  |
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|  | Argument | | | | Value | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -5.0 | | | | 132.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -4.0 | | | | 138.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -3.0 | | | | 142.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -2.0 | | | | 148.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -1.0 | | | | 150.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 0.0 | | | | 145.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 1.0 | | | | 135.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 2.0 | | | | 125.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 3.0 | | | | 115.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
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|  | Table Data: | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | | |  | | |  |  | | | |  | | |  | | |  | | | |  |  |
|  | Argument | | | | Value | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 4.0 | | | | 100.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 5.0 | | | | 95.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 6.0 | | | | 85.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  |  | | | |  | | |  |  | | | |  | | |  | | |  | | | |  |  |
|  | Table Function: tableFunction2 | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | |  | | |  |  | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Out of range behavior | | | | | | | Extrapolate | | | | | | | | | | |  | | | |  |  |
|  | Interpolation | | | | | | | Linear | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Table data | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Load From Database | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Values Query | | | | | | | - Database Table Function Query | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Access type | | | | | | | public | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Table Data: | | | | | | | | | | | | | | | | | | | | | | |  |
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|  | Argument | | | | Value | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -5.0 | | | | 132.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -4.0 | | | | 138.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -3.0 | | | | 142.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -2.0 | | | | 148.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | -1.0 | | | | 150.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 0.0 | | | | 145.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 1.0 | | | | 135.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 2.0 | | | | 125.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 3.0 | | | | 115.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 4.0 | | | | 100.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 5.0 | | | | 95.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
|  | 6.0 | | | | 85.0 | | | |  | | | |  | | |  | | |  | | | |  |  |
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|  | Event: UpdateABM\_Cooptation | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | |  | | |  |  | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Logging | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | EVENT\_TIMEOUT\_PROPERTIES | | | | | | | - Recurring Event Properties | | | | | | | | | | |  | | | |  |  |
|  | Mode | | | | | | | Cyclic | | | | | | | | | | |  | | | |  |  |
|  | Trigger type | | | | | | | Timeout | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Action | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Action | | | | | | | ABM\_Cooptation = externalStakeholders.NumberCoopter(); | | | | | | | | | | |  | | | |  |  |
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|  | Flow: ChangingFiscalResilience | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Description: The net inflow a fraction of the discrepancy between the desired and  actual state each period. The adjustment time determines what fraction of  the gap is corrected each period. | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | (FiscalResilienceGoal-FiscalResilience)/TimeForStrategicInterventions | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Unit | | | | | | | dmls/months | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | The net inflow a fraction of the discrepancy between the desired and  actual state each period. The adjustment time determines what fraction of  the gap is corrected each period. | | | | | | | | | | |  | | | |  |  |
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|  | Stock: FiscalResilienceGoal | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Description: The memory of crises. Initially 0 (no crises in memory) | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Equation mode | | | | | | | Classic | | | | | | | | | | |  | | | |  |  |
|  | Initial value | | | | | | | InitialStrategicGoal | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Unit | | | | | | | dmls/months | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | The memory of crises. Initially 0 (no crises in memory) | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Flow: ChangingStrategicGoal | | | | | | | | | | | | | | | | | | | | | |  |  |
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|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | ((FiscalResilience-FiscalResilienceGoal)\*(ABM\_Cooptation/externalStakeholders.size()))/TimeForPlanningGoal | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Stock: FiscalResilience | | | | | | | | | | | | | | | | | | | | | |  |  |
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|  | Description: The state of the system accumulates its net inflow rate. | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Equation mode | | | | | | | Classic | | | | | | | | | | |  | | | |  |  |
|  | Initial value | | | | | | | StartingFiscalResilience | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Unit | | | | | | | dmls | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | The state of the system accumulates its net inflow rate. | | | | | | | | | | |  | | | |  |  |
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|  | Dynamic Variable: ABM\_Cooptation | | | | | | | | | | | | | | | | | | | | | |  |  |
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|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Value | | | | | | | 0 | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Flow: ChangingFiscalResilience | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Description: The net inflow a fraction of the discrepancy between the desired and  actual state each period. The adjustment time determines what fraction of  the gap is corrected each period. | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | (FiscalResilienceGoal-FiscalResilience)/TimeForStrategicInterventions | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Unit | | | | | | | dmls/months | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Description | | | | | | | The net inflow a fraction of the discrepancy between the desired and  actual state each period. The adjustment time determines what fraction of  the gap is corrected each period. | | | | | | | | | | |  | | | |  |  |
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|  | Flow: ChangingStrategicGoal | | | | | | | | | | | | | | | | | | | | | |  |  |
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|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Formula | | | | | | | ((FiscalResilience-FiscalResilienceGoal)\*(ABM\_Cooptation/externalStakeholders.size()))/TimeForPlanningGoal | | | | | | | | | | |  | | | |  |  |
|  | Constant | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | External | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Array | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | System dynamics units | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Title | | | Type | | Dataset / Value | | | | | Point Style | | | Color | | | Line | | Width | | Interpolation |  |  |  |
|  | Cooptation | | | dataset | | ABM\_CooptationDS | | | | | NONE | | | darkOrange | | | true | | 1.0 | | LINEAR |  |  |  |
|  | Average Crisis Memory | | | value | |  | | | | | NONE | | | slateBlue | | | true | | 1.0 | | LINEAR |  |  |  |
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|  | Time Stack Chart: chart | | | | | | | | | | | | | | | | | | | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Lock | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Data update | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Analysis auto update | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | ANALYSIS\_UPDATE\_TIME\_PROPERTIES | | | | | | | - Recurring Event Properties | | | | | | | | | | |  | | | |  |  |
|  | Dataset Samples To Keep | | | | | | | 60 | | | | | | | | | | |  | | | |  |  |
|  | Scale | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Time window | | | | | | | 60 | | | | | | | | | | |  | | | |  |  |
|  | Time | | | | | | | model time units | | | | | | | | | | |  | | | |  |  |
|  | Vertical scale | | | | | | | Auto | | | | | | | | | | |  | | | |  |  |
|  | Appearance | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Labels horizontal position | | | | | | | DEFAULT | | | | | | | | | | |  | | | |  |  |
|  | Labels vertical position | | | | | | | DEFAULT | | | | | | | | | | |  | | | |  |  |
|  | Label format | | | | | | | Model time units | | | | | | | | | | |  | | | |  |  |
|  | Labels Text Color | | | | | | | darkGray | | | | | | | | | | |  | | | |  |  |
|  | Chart Area Grid Color | | | | | | | darkGray | | | | | | | | | | |  | | | |  |  |
|  | Position and size | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | x | | | | | | | 0.0 | | | | | | | | | | |  | | | |  |  |
|  | Width | | | | | | | 300.0 | | | | | | | | | | |  | | | |  |  |
|  | y | | | | | | | 100.0 | | | | | | | | | | |  | | | |  |  |
|  | Height | | | | | | | 310.0 | | | | | | | | | | |  | | | |  |  |
|  | Legend | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Show legend | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Legend size | | | | | | | 70.0 | | | | | | | | | | |  | | | |  |  |
|  | Legend text color | | | | | | | black | | | | | | | | | | |  | | | |  |  |
|  | Chart area | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Chart Area: X Offset | | | | | | | 50.0 | | | | | | | | | | |  | | | |  |  |
|  | Chart Area: Width | | | | | | | 220.0 | | | | | | | | | | |  | | | |  |  |
|  | Chart Area: Y Offset | | | | | | | 30.0 | | | | | | | | | | |  | | | |  |  |
|  | Chart Area: Height | | | | | | | 180.0 | | | | | | | | | | |  | | | |  |  |
|  | Chart Area: Background Color | | | | | | | white | | | | | | | | | | |  | | | |  |  |
|  | Chart area border color | | | | | | | black | | | | | | | | | | |  | | | |  |  |
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|  | Plot Items: | | | | | | | | | | | | | | | | | | | | | | |  |
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|  | Title | | | Type | | | Dataset / Value | | | | | Color | | | | | |  |  | | | |  |  |
|  | External Network Stakeholders | | | value | | | externalStakeholders.NumberExternalStakeholder() | | | | | yellow | | | | | |  |  | | | |  |  |
|  | Strategic Planners (External Stakeholders) | | | value | | | externalStakeholders.NumberExternalStrategicPlanner() | | | | | lime | | | | | |  |  | | | |  |  |
|  | Coopting Stakeholders (External) | | | value | | | externalStakeholders.NumberCoopter() | | | | | red | | | | | |  |  | | | |  |  |
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|  | Data Set: FiscalResilienceDS | | | | | | | | | | | | | | | | | | | | | |  |  |
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|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Dataset Samples To Keep | | | | | | | 2000 | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Vertical Y Axis | | | | | | | FiscalResilience | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Freeze X Axis | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Data update | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Analysis auto update | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | ANALYSIS\_UPDATE\_TIME\_PROPERTIES | | | | | | | - Recurring Event Properties | | | | | | | | | | |  | | | |  |  |
|  | Logging | | | | | | | true | | | | | | | | | | |  | | | |  |  |
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|  | Data Set: FiscalResilienceGoalDS | | | | | | | | | | | | | | | | | | | | | |  |  |
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|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Dataset Samples To Keep | | | | | | | 2000 | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Vertical Y Axis | | | | | | | FiscalResilienceGoal | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Freeze X Axis | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Data update | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Analysis auto update | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | ANALYSIS\_UPDATE\_TIME\_PROPERTIES | | | | | | | - Recurring Event Properties | | | | | | | | | | |  | | | |  |  |
|  | Logging | | | | | | | true | | | | | | | | | | |  | | | |  |  |
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|  | Data Set: ABM\_CooptationDS | | | | | | | | | | | | | | | | | | | | | |  |  |
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|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Dataset Samples To Keep | | | | | | | 2000 | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Vertical Y Axis | | | | | | | ABM\_Cooptation | | | | | | | | | | |  | | | |  |  |
|  | Axis Data Freeze X Axis | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Data update | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Analysis auto update | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | ANALYSIS\_UPDATE\_TIME\_PROPERTIES | | | | | | | - Recurring Event Properties | | | | | | | | | | |  | | | |  |  |
|  | Logging | | | | | | | true | | | | | | | | | | |  | | | |  |  |
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|  | Agent Presentation: externalStakeholders\_presentation | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Show at runtime | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Public | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Position and size | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | x | | | | | | | 310.0 | | | | | | | | | | |  | | | |  |  |
|  | y | | | | | | | 110.0 | | | | | | | | | | |  | | | |  |  |
|  | z | | | | | | | 0.0 | | | | | | | | | | |  | | | |  |  |
|  | Rotation | | | | | | | 0.0 | | | | | | | | | | |  | | | |  |  |
|  | Scale | | | | | | | Automatically calculated | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Show in | | | | | | | 2D and 3D | | | | | | | | | | |  | | | |  |  |
|  | Draw agent with offset to this position | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show name | | | | | | | false | | | | | | | | | | |  | | | |  |  |
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|  | Simulation Experiment: Simulation | | | | | | | | | | | | | | | | | | | | | |  |  |
|  |  | | | | | | |  | | | | |  | | |  | | |  | | | |  |  |
|  | Name | | | | | | | Value | | | | | | | | | | |  | | | |  |  |
|  | General | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Maximum available memory | | | | | | | 512 | | | | | | | | | | |  | | | |  |  |
|  | Agent type | | | | | | | Main | | | | | | | | | | |  | | | |  |  |
|  | Model time | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Execution mode | | | | | | | Real time with scale | | | | | | | | | | |  | | | |  |  |
|  | Real time scale | | | | | | | 1.0 | | | | | | | | | | |  | | | |  |  |
|  | Stop option | | | | | | | Never | | | | | | | | | | |  | | | |  |  |
|  | Initial time | | | | | | | 0.0 | | | | | | | | | | |  | | | |  |  |
|  | Initial date | | | | | | | Sun Nov 17 00:00:00 GMT 2019 | | | | | | | | | | |  | | | |  |  |
|  | Randomness | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Random Number Generation Type | | | | | | | Random seed (unique simulation runs) | | | | | | | | | | |  | | | |  |  |
|  | Selection mode for simultaneous events | | | | | | | LIFO (in the reverse order of scheduling) | | | | | | | | | | |  | | | |  |  |
|  | Window | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Title | | | | | | | StrategicPlanningTheoryExample : Simulation | | | | | | | | | | |  | | | |  |  |
|  | Enable zoom and panning | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Enable developer panel | | | | | | | true | | | | | | | | | | |  | | | |  |  |
|  | Show developer panel on start | | | | | | | false | | | | | | | | | | |  | | | |  |  |
|  | Advanced | | | | | | | | | | | | | | | | | |  | | | |  |  |
|  | Load root from snapshot | | | | | | | false | | | | | | | | | | |  | | | |  |  |