

Feature Inclusion - Work in Progress

1 Supported XACML Functions

The current version of the software does not support all the XACML functions that can be used in the condition part of rules to create more complex conditions. Table 1 lists all the functions provided by the XACML Standard (XACML v3.0). The supported functions are highlighted in green. We will regularly update Table 1 with each new release to ensure users have a clear view of which XACML functions are supported and which are not.

Table 1: XACML Standard Functions

XACML Function
urn:oasis:names:tc:xacml:1.0:function:string-equal
urn:oasis:names:tc:xacml:1.0:function:boolean-equal
urn:oasis:names:tc:xacml:1.0:function:integer-equal
urn:oasis:names:tc:xacml:1.0:function:double-equal
urn:oasis:names:tc:xacml:1.0:function:date-equal
urn:oasis:names:tc:xacml:1.0:function:time-equal
urn:oasis:names:tc:xacml:1.0:function:dateTime-equal
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-equal
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-equal
urn:oasis:names:tc:xacml:3.0:function:string-equal-ignore-case
urn:oasis:names:tc:xacml:1.0:function:anyURI-equal
urn:oasis:names:tc:xacml:1.0:function:x500Name-equal
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-equal
urn:oasis:names:tc:xacml:1.0:function:hexBinary-equal
urn:oasis:names:tc:xacml:1.0:function:base64Binary-equal
urn:oasis:names:tc:xacml:1.0:function:integer-add
urn:oasis:names:tc:xacml:1.0:function:double-add
urn:oasis:names:tc:xacml:1.0:function:integer-subtract
urn:oasis:names:tc:xacml:1.0:function:double-subtract
urn:oasis:names:tc:xacml:1.0:function:integer-multiply
urn:oasis:names:tc:xacml:1.0:function:double-multiply
urn:oasis:names:tc:xacml:1.0:function:integer-divide
urn:oasis:names:tc:xacml:1.0:function:double-divide
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XACML Function
urn:oasis:names:tc:xacml:1.0:function:integer-mod
urn:oasis:names:tc:xacml:1.0:function:integer-abs
urn:oasis:names:tc:xacml:1.0:function:double-abs
urn:oasis:names:tc:xacml:1.0:function:round
urn:oasis:names:tc:xacml:1.0:function:floor
urn:oasis:names:tc:xacml:1.0:function:string-normalize-space
urn:oasis:names:tc:xacml:1.0:function:string-normalize-to-lower-case
urn:oasis:names:tc:xacml:1.0:function:double-to-integer
urn:oasis:names:tc:xacml:1.0:function:integer-to-double
urn:oasis:names:tc:xacml:1.0:function:or
urn:oasis:names:tc:xacml:1.0:function:and
urn:oasis:names:tc:xacml:1.0:function:n-of
urn:oasis:names:tc:xacml:1.0:function:not
urn:oasis:names:tc:xacml:1.0:function:integer-greater-than
urn:oasis:names:tc:xacml:1.0:function:integer-greater-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:integer-less-than
urn:oasis:names:tc:xacml:1.0:function:integer-less-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:double-greater-than
urn:oasis:names:tc:xacml:1.0:function:double-greater-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:double-less-than
urn:oasis:names:tc:xacml:1.0:function:double-less-than-or-equal
urn:oasis:names:tc:xacml:3.0:function:dateTime-add-dayTimeDuration
urn:oasis:names:tc:xacml:3.0:function:dateTime-add-yearMonthDuration
urn:oasis:names:tc:xacml:3.0:function:dateTime-subtract-dayTimeDuration
urn:oasis:names:tc:xacml:3.0:function:dateTime-subtract-yearMonthDuration
urn:oasis:names:tc:xacml:3.0:function:date-add-yearMonthDuration
urn:oasis:names:tc:xacml:3.0:function:date-subtract-yearMonthDuration
urn:oasis:names:tc:xacml:1.0:function:string-greater-than
urn:oasis:names:tc:xacml:1.0:function:string-greater-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:string-less-than
urn:oasis:names:tc:xacml:1.0:function:string-less-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:time-greater-than
urn:oasis:names:tc:xacml:1.0:function:time-greater-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:time-less-than
urn:oasis:names:tc:xacml:1.0:function:time-less-than-or-equal
urn:oasis:names:tc:xacml:2.0:function:time-in-range
urn:oasis:names:tc:xacml:1.0:function:dateTime-greater-than
urn:oasis:names:tc:xacml:1.0:function:dateTime-greater-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:dateTime-less-than
urn:oasis:names:tc:xacml:1.0:function:dateTime-less-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:date-greater-than
urn:oasis:names:tc:xacml:1.0:function:date-greater-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:date-less-than
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XACML Function
urn:oasis:names:tc:xacml:1.0:function:date-less-than-or-equal
urn:oasis:names:tc:xacml:1.0:function:string-one-and-only
urn:oasis:names:tc:xacml:1.0:function:string-bag-size
urn:oasis:names:tc:xacml:1.0:function:string-is-in
urn:oasis:names:tc:xacml:1.0:function:string-bag
urn:oasis:names:tc:xacml:1.0:function:boolean-one-and-only
urn:oasis:names:tc:xacml:1.0:function:boolean-bag-size
urn:oasis:names:tc:xacml:1.0:function:boolean-is-in
urn:oasis:names:tc:xacml:1.0:function:boolean-bag
urn:oasis:names:tc:xacml:1.0:function:integer-one-and-only
urn:oasis:names:tc:xacml:1.0:function:integer-bag-size
urn:oasis:names:tc:xacml:1.0:function:integer-is-in
urn:oasis:names:tc:xacml:1.0:function:integer-bag
urn:oasis:names:tc:xacml:1.0:function:double-one-and-only
urn:oasis:names:tc:xacml:1.0:function:double-bag-size
urn:oasis:names:tc:xacml:1.0:function:double-is-in
urn:oasis:names:tc:xacml:1.0:function:double-bag
urn:oasis:names:tc:xacml:1.0:function:time-one-and-only
urn:oasis:names:tc:xacml:1.0:function:time-bag-size
urn:oasis:names:tc:xacml:1.0:function:time-is-in
urn:oasis:names:tc:xacml:1.0:function:time-bag
urn:oasis:names:tc:xacml:1.0:function:date-one-and-only
urn:oasis:names:tc:xacml:1.0:function:date-bag-size
urn:oasis:names:tc:xacml:1.0:function:date-is-in
urn:oasis:names:tc:xacml:1.0:function:date-bag
urn:oasis:names:tc:xacml:1.0:function:dateTime-one-and-only
urn:oasis:names:tc:xacml:1.0:function:dateTime-bag-size
urn:oasis:names:tc:xacml:1.0:function:dateTime-is-in
urn:oasis:names:tc:xacml:1.0:function:dateTime-bag
urn:oasis:names:tc:xacml:1.0:function:anyURI-one-and-only
urn:oasis:names:tc:xacml:1.0:function:anyURI-bag-size
urn:oasis:names:tc:xacml:1.0:function:anyURI-is-in
urn:oasis:names:tc:xacml:1.0:function:anyURI-bag
urn:oasis:names:tc:xacml:1.0:function:hexBinary-one-and-only
urn:oasis:names:tc:xacml:1.0:function:hexBinary-bag-size
urn:oasis:names:tc:xacml:1.0:function:hexBinary-is-in
urn:oasis:names:tc:xacml:1.0:function:hexBinary-bag
urn:oasis:names:tc:xacml:1.0:function:base64Binary-one-and-only
urn:oasis:names:tc:xacml:1.0:function:base64Binary-bag-size
urn:oasis:names:tc:xacml:1.0:function:base64Binary-is-in
urn:oasis:names:tc:xacml:1.0:function:base64Binary-bag
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-one-and-only
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-bag-size
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XACML Function
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-is-in
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-bag
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-one-and-only
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-bag-size
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-is-in
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-bag
urn:oasis:names:tc:xacml:1.0:function:x500Name-one-and-only
urn:oasis:names:tc:xacml:1.0:function:x500Name-bag-size
urn:oasis:names:tc:xacml:1.0:function:x500Name-is-in
urn:oasis:names:tc:xacml:1.0:function:x500Name-bag
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-one-and-only
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-bag-size
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-is-in
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-bag
urn:oasis:names:tc:xacml:2.0:function:ipAddress-one-and-only
urn:oasis:names:tc:xacml:2.0:function:ipAddress-bag-size
urn:oasis:names:tc:xacml:2.0:function:ipAddress-bag
urn:oasis:names:tc:xacml:2.0:function:dnsName-one-and-only
urn:oasis:names:tc:xacml:2.0:function:dnsName-bag-size
urn:oasis:names:tc:xacml:2.0:function:dnsName-bag
urn:oasis:names:tc:xacml:2.0:function:string-concatenate
urn:oasis:names:tc:xacml:3.0:function:boolean-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-boolean
urn:oasis:names:tc:xacml:3.0:function:integer-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-integer
urn:oasis:names:tc:xacml:3.0:function:double-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-double
urn:oasis:names:tc:xacml:3.0:function:time-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-time
urn:oasis:names:tc:xacml:3.0:function:date-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-date
urn:oasis:names:tc:xacml:3.0:function:dateTime-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-dateTime
urn:oasis:names:tc:xacml:3.0:function:anyURI-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-anyURI
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-dayTimeDuration
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-yearMonthDuration
urn:oasis:names:tc:xacml:3.0:function:x500Name-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-x500Name
urn:oasis:names:tc:xacml:3.0:function:rfc822Name-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-rfc822Name
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XACML Function
urn:oasis:names:tc:xacml:3.0:function:ipAddress-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-ipAddress
urn:oasis:names:tc:xacml:3.0:function:dnsName-from-string
urn:oasis:names:tc:xacml:3.0:function:string-from-dnsName
urn:oasis:names:tc:xacml:3.0:function:string-starts-with
urn:oasis:names:tc:xacml:3.0:function:anyURI-starts-with
urn:oasis:names:tc:xacml:3.0:function:string-ends-with
urn:oasis:names:tc:xacml:3.0:function:anyURI-ends-with
urn:oasis:names:tc:xacml:3.0:function:string-contains
urn:oasis:names:tc:xacml:3.0:function:anyURI-contains
urn:oasis:names:tc:xacml:3.0:function:string-substring
urn:oasis:names:tc:xacml:3.0:function:anyURI-substring
urn:oasis:names:tc:xacml:3.0:function:any-of
urn:oasis:names:tc:xacml:3.0:function:all-of
urn:oasis:names:tc:xacml:3.0:function:any-of-any
urn:oasis:names:tc:xacml:1.0:function:all-of-any
urn:oasis:names:tc:xacml:1.0:function:any-of-all
urn:oasis:names:tc:xacml:1.0:function:all-of-all
urn:oasis:names:tc:xacml:3.0:function:map
urn:oasis:names:tc:xacml:1.0:function:x500Name-match
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-match
urn:oasis:names:tc:xacml:1.0:function:string-regexp-match
urn:oasis:names:tc:xacml:2.0:function:anyURI-regexp-match
urn:oasis:names:tc:xacml:2.0:function:ipAddress-regexp-match
urn:oasis:names:tc:xacml:2.0:function:dnsName-regexp-match
urn:oasis:names:tc:xacml:2.0:function:rfc822Name-regexp-match
urn:oasis:names:tc:xacml:2.0:function:x500Name-regexp-match
urn:oasis:names:tc:xacml:3.0:function:xpath-node-count
urn:oasis:names:tc:xacml:3.0:function:xpath-node-equal
urn:oasis:names:tc:xacml:3.0:function:xpath-node-match
urn:oasis:names:tc:xacml:1.0:function:string-intersection
urn:oasis:names:tc:xacml:1.0:function:string-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:string-union
urn:oasis:names:tc:xacml:1.0:function:string-subset
urn:oasis:names:tc:xacml:1.0:function:string-set-equals
urn:oasis:names:tc:xacml:1.0:function:boolean-intersection
urn:oasis:names:tc:xacml:1.0:function:boolean-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:boolean-union
urn:oasis:names:tc:xacml:1.0:function:boolean-subset
urn:oasis:names:tc:xacml:1.0:function:boolean-set-equals
urn:oasis:names:tc:xacml:1.0:function:integer-intersection
urn:oasis:names:tc:xacml:1.0:function:integer-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:integer-union
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XACML Function
urn:oasis:names:tc:xacml:1.0:function:integer-subset
urn:oasis:names:tc:xacml:1.0:function:integer-set-equals
urn:oasis:names:tc:xacml:1.0:function:double-intersection
urn:oasis:names:tc:xacml:1.0:function:double-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:double-union
urn:oasis:names:tc:xacml:1.0:function:double-subset
urn:oasis:names:tc:xacml:1.0:function:double-set-equals
urn:oasis:names:tc:xacml:1.0:function:time-intersection
urn:oasis:names:tc:xacml:1.0:function:time-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:time-union
urn:oasis:names:tc:xacml:1.0:function:time-subset
urn:oasis:names:tc:xacml:1.0:function:time-set-equals
urn:oasis:names:tc:xacml:1.0:function:date-intersection
urn:oasis:names:tc:xacml:1.0:function:date-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:date-union
urn:oasis:names:tc:xacml:1.0:function:date-subset
urn:oasis:names:tc:xacml:1.0:function:date-set-equals
urn:oasis:names:tc:xacml:1.0:function:dateTime-intersection
urn:oasis:names:tc:xacml:1.0:function:dateTime-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:dateTime-union
urn:oasis:names:tc:xacml:1.0:function:dateTime-subset
urn:oasis:names:tc:xacml:1.0:function:dateTime-set-equals
urn:oasis:names:tc:xacml:1.0:function:anyURI-intersection
urn:oasis:names:tc:xacml:1.0:function:anyURI-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:anyURI-union
urn:oasis:names:tc:xacml:1.0:function:anyURI-subset
urn:oasis:names:tc:xacml:1.0:function:anyURI-set-equals
urn:oasis:names:tc:xacml:1.0:function:hexBinary-intersection
urn:oasis:names:tc:xacml:1.0:function:hexBinary-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:hexBinary-union
urn:oasis:names:tc:xacml:1.0:function:hexBinary-subset
urn:oasis:names:tc:xacml:1.0:function:hexBinary-set-equals
urn:oasis:names:tc:xacml:1.0:function:base64Binary-intersection
urn:oasis:names:tc:xacml:1.0:function:base64Binary-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:base64Binary-union
urn:oasis:names:tc:xacml:1.0:function:base64Binary-subset
urn:oasis:names:tc:xacml:1.0:function:base64Binary-set-equals
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-intersection
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-at-least-one-member-of
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-union
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-subset
urn:oasis:names:tc:xacml:3.0:function:dayTimeDuration-set-equals
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-intersection
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Table 1 – continued from previous page

XACML Function
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-at-least-one-member-of
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-union
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-subset
urn:oasis:names:tc:xacml:3.0:function:yearMonthDuration-set-equals
urn:oasis:names:tc:xacml:1.0:function:x500Name-intersection
urn:oasis:names:tc:xacml:1.0:function:x500Name-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:x500Name-union
urn:oasis:names:tc:xacml:1.0:function:x500Name-subset
urn:oasis:names:tc:xacml:1.0:function:x500Name-set-equals
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-intersection
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-at-least-one-member-of
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-union
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-subset
urn:oasis:names:tc:xacml:1.0:function:rfc822Name-set-equals

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