

JXD EXAMPLE PATTERNS by markus@danubetech.com
v1 19 Sep 2016 - initial version
v2 20 Sep 2016 - some small bugfixes

LITERALS

```
=markus<#name>/&/"Markus Sabadello"  
=markus<#email>/&/"markus@danubetech.com"
```

```
{  
  "@xdi": {  
    "name": "<#name>",  
    "email": "<#email>"  
  },  
  "@id": "=markus",  
  "name": "Markus Sabadello",  
  "email": "markus@danubetech.com"  
}
```

OR

```
{  
  "@xdi": {  
    "name": { "@id": "<#name>" },  
    "email": { "@id": "<#email>" }  
  },  
  "@id": "=markus",  
  "name": "Markus Sabadello",  
  "email": "markus@danubetech.com"  
}
```

RELATIONS

=markus/#friend/=drummond

```
{
  "@xdi": {
    "friend": { "@id": "#friend", "@type": "@id" }
  },
  "@id": "=markus",
  "friend": [ "=drummond" ]
}
```

OR

```
{
  "@xdi": {
    "friend": { "@id": "#friend", "@type": "@id" },
    "drummond": { "@id": "=drummond", "@type": "@id" }
  },
  "@id": "=markus",
  "friend": [ "drummond" ]
}
```

CONTEXT

```
+danubetech=markus<#work><#email>/&/"markus@danubetech.com"
```

```
{
  "@xdi": {
    "work": "<#work>",
    "email": "<#email>"
  },
  "@id": "+danubetech",
  "=markus": {
    "@type": "@id",
    "work": {
      "@type": "@id",
      "email": "markus@danubetech.com"
    }
  }
}
```

OR

```
{
  "@xdi": {
    "work": { "@id": "<#work>", "@type": "@id" },
    "email": "<#email>"
  },
  "@id": "+danubetech",
  "=markus": {
    "@type": "@id",
    "work": {
      "email": "markus@danubetech.com"
    }
  }
}
```

OR

```
{
  "@xdi": {
    "=markus": { "@type": "@id" },
    "work": { "@id": "<#work>", "@type": "@id" },
    "email": "<#email>"
  },
  "@id": "+danubetech",
  "=markus": {
    "work": {
      "email": "markus@danubetech.com"
    }
  }
}
```

```
    }  
  }  
}
```

OR

```
{  
  "@xdi": {  
    "work": { "@id": "<#work>", "@type": "@id" },  
    "email": "<#email>"  
  },  
  "@id": "+danubetech=markus",  
  "work": {  
    "email": "markus@danubetech.com"  
  }  
}
```

OR

```
{  
  "@xdi": {  
    "=markus": { "@type": "@id" },  
    "workemail": "<#work><#email>"  
  },  
  "@id": "+danubetech",  
  "=markus": {  
    "workemail": "markus@danubetech.com"  
  }  
}
```

OR

```
{  
  "@xdi": {  
    "workemail": "<#work><#email>"  
  },  
  "@id": "+danubetech=markus",  
  "workemail": "markus@danubetech.com"  
}
```

INNER ROOT (MESSAGE)

```
(=markus[$msg]*!:uuid:1234$do/$set)=markus<#name>/&/"Markus Sabadello"  
(=markus[$msg]*!:uuid:1234$do/$set)=markus<#email>/&/"markus@danubetech.com"
```

```
{  
  "@xdi": {  
    "name": "<#name>",  
    "email": "<#email>",  
    "friend": { "@id": "#friend", "@type": "@id" },  
    "set": { "@id": "$set", "@type": "@graph" }  
  },  
  "@id": "=markus[$msg]*!:uuid:1234$do",  
  "set": {  
    "=markus": {  
      "name": "Markus Sabadello",  
      "email": "markus@danubetech.com"  
    }  
  }  
}
```

INNER ROOT (LINK CONTRACT)

```
(=markus/=drummond) $do/$get/=markus<#email>
(=markus/=drummond) ($do$if$and/$true) {$from}/$is/=drummond
(=markus/=drummond) ($do$if$and/$true) {$msg}<$sig><$valid>/&/true

{
  "@xdi": {
    "do": { "@id": "$do", "@type": "@id" },
    "if": { "@id": "$if", "@type": "@id" },
    "and": { "@id": "$and", "@type": "@id" },
    "or": { "@id": "$or", "@type": "@id" },
    "true": { "@id": "$true", "@type": "@graph" },
    "false": { "@id": "$false", "@type": "@graph" },
    "get": { "@id": "$get", "@type": "@id" },
    "from": { "@id": "{$from}", "@type": "@id" },
    "msg": { "@id": "{$msg}", "@type": "@id" },
    "is": { "@id": "$is", "@type": "@id" },
    "sigvalid": { "@id": "<$sig><$valid>" }
  },
  "@id": "=markus",
  "=drummond": {
    "@type": "@graph",
    "do": {
      "get": [ "=markus<#email>" ],
      "if": {
        "and": {
          "true": {
            "from": {
              "is": [ "=drummond" ]
            },
            "msg": {
              "sigvalid": true
            }
          }
        }
      }
    }
  }
}
```