User performs (optional) preparation steps, e.g.
choose an identifier and generate credentials.

User calls API:

register(identifier, credentials, ddo, options)

action / wait / finished / failed

finished

{ "state": "**finished**",
  "jobid": "aa116280",
  "identifier": "did:sov:WRfXPg8d...",
  "credentials": "..."
}

failed

{ "state": "**failed**",
  "jobid": "aa116280",
  "reason": "identifier_unavailable"
}

action

wait

{ "state": "**action**",
  "jobid": "aa116280",
                              e.g. if btcr DID -->

  "action": "**fundingrequired**",
  "bitcoinaddress": "3QJmV3qfvL9SuYo34YihAf3s...",
  "satoshis": "13250"

                              e.g. if sov DID -->

  "action": "**trustanchorrequired**",
  "did": "BrYDA5NubejDVHkCYBbpY5",
  "verkey": "~4qKbF4VjuiHFiSFcgfnpHE",
  "trustanchorurl":"https://trustanchor.danube..."

}

{ "state": "**wait**",
  "jobid": "aa116280",
                              e.g. if btcr DID -->

  "wait": "**confirmingtransaction**",
  "waittime": "3600000",

                              e.g. if sov DID -->

  "action": "**confirmingtransaction**"

}

User needs to perform external *action*,
e.g. fund wallet, contact trust anchor, etc.

User needs to *wait*...

action / wait / finished / failed

User calls API:

checkRegistration(jobid)

DIF Universal Registrar
29th September 2017 – markus@danubetech.com