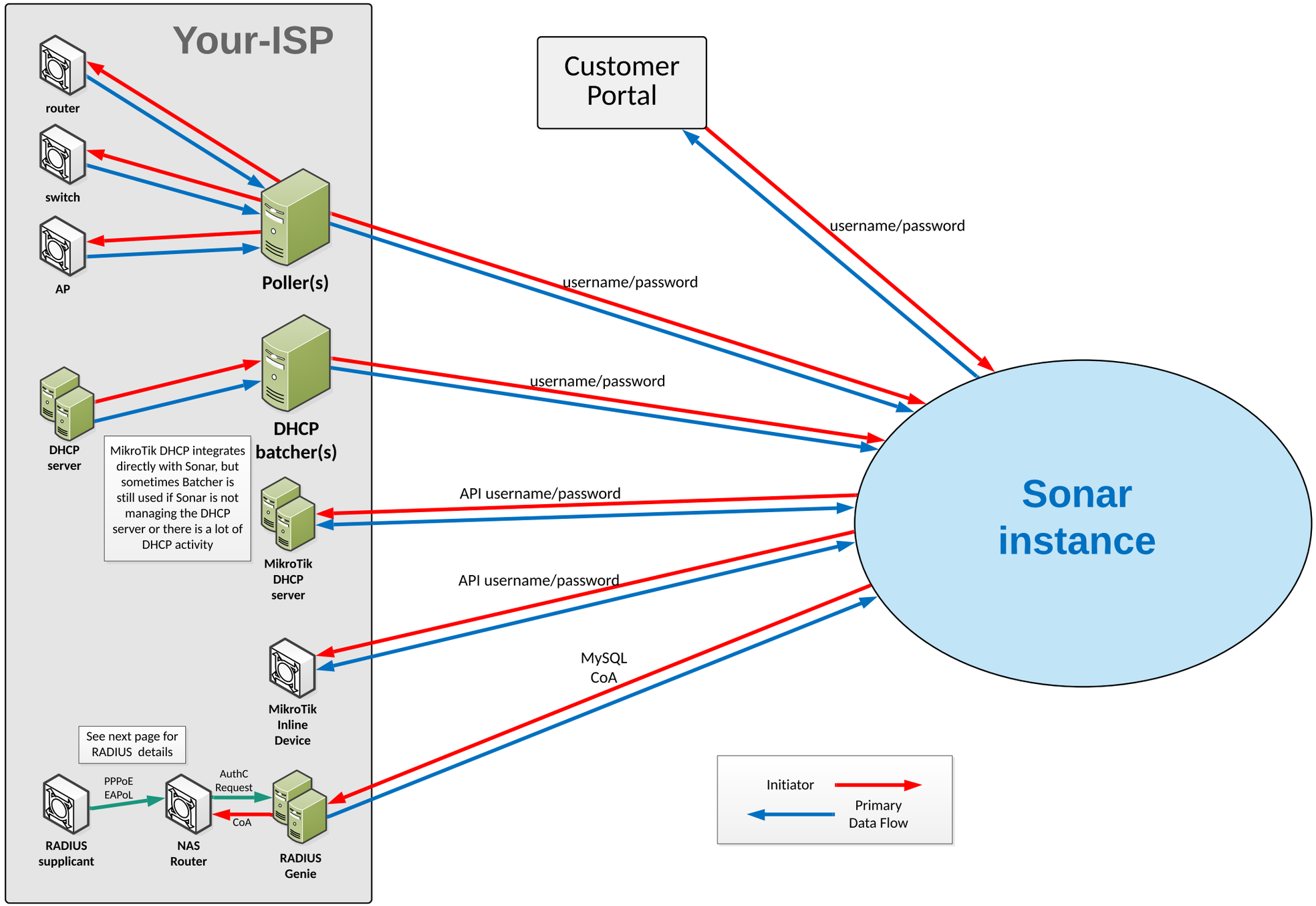
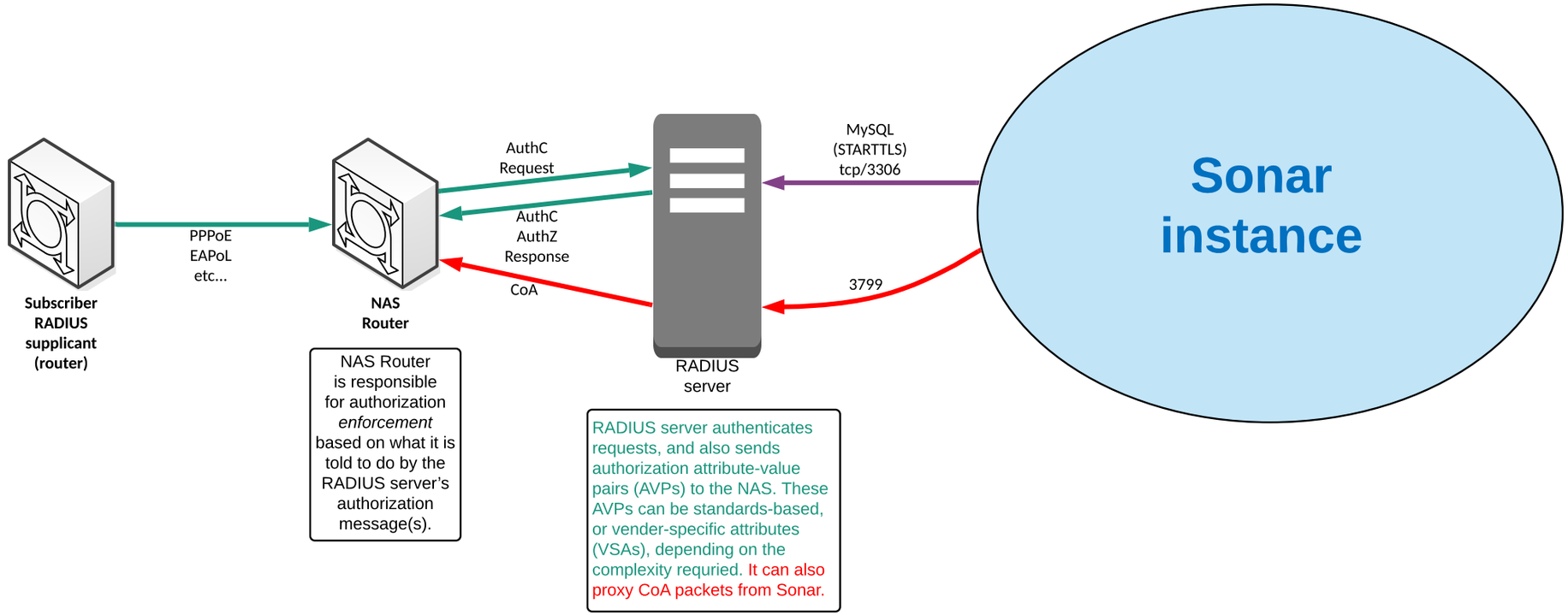

Your-ISP
router
switch
AP
Poller(s)
DHCP server
DHCP batcher(s)
MikroTik DHCP integrates directly with Sonar, but sometimes Batcher is still used if Sonar is not managing the DHCP server or there is a lot of DHCP activity
MikroTik DHCP server
MikroTik Inline Device
See next page for RADIUS details
PPPoE EAPoL
AuthC Request
CoA
RADIUS supplicant
NAS Router
RADIUS Genie
Customer Portal
username/password
username/password
username/password
API username/password
API username/password
MySQL
CoA
Sonar instance
Initiator
Primary Data Flow


Subscriber
RADIUS
supplicant
(router)
PPPoE
EAPoL
etc...
NAS
Router
AuthC
Request
AuthC
AuthZ
Response
CoA
RADIUS
server
MySQL
(STARTTLS)
tcp/3306
3799
Sonar
instance
NAS Router
is responsible
for authorization
enforcement
based on what it is
told to do by the
RADIUS server's
authorization
message(s).
RADIUS server authenticates requests, and also sends authorization attribute-value pairs (AVPs) to the NAS. These AVPs can be standards-based, or vender-specific attributes (VSAs), depending on the complexity requried. It can also proxy CoA packets from Sonar.