

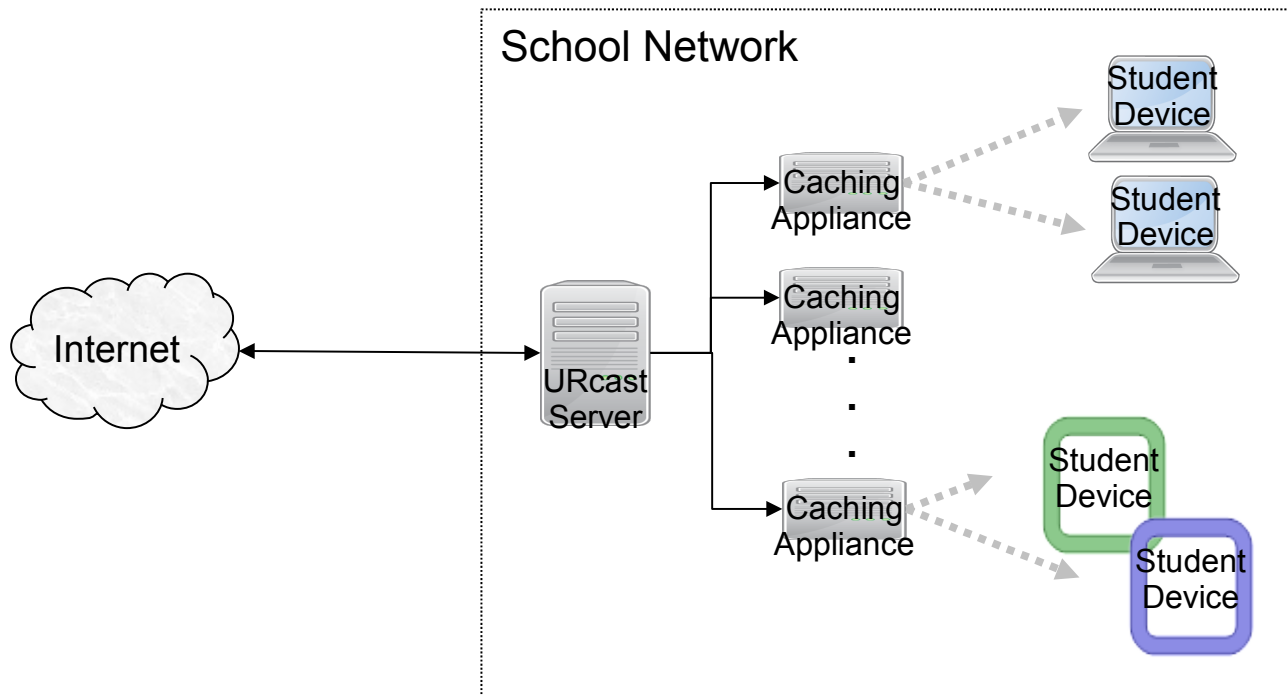
Network Configuration Options

Feb 2015





Standard Solution



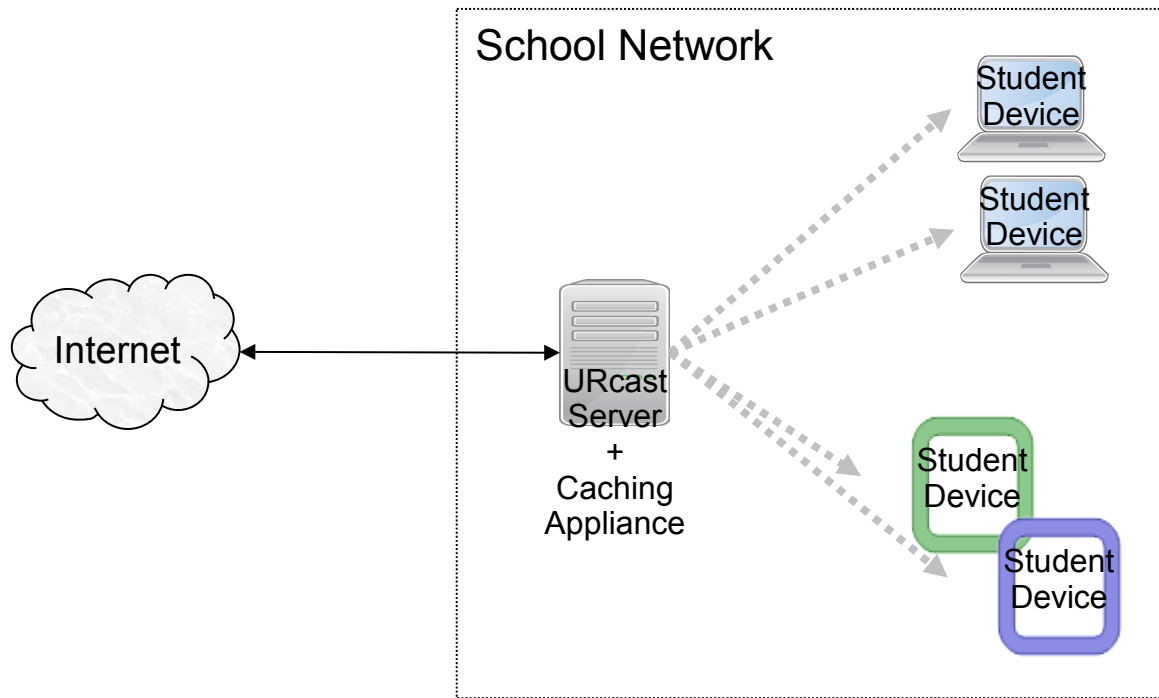


Standard Solution

- One Server in each school
- Multiple Gateways used to deliver to student devices
- Content is replicated from Server to Gateways
- Teachers publish lessons to school Server
- Delivery can be scaled by adding Gateways



All-In-One Solution

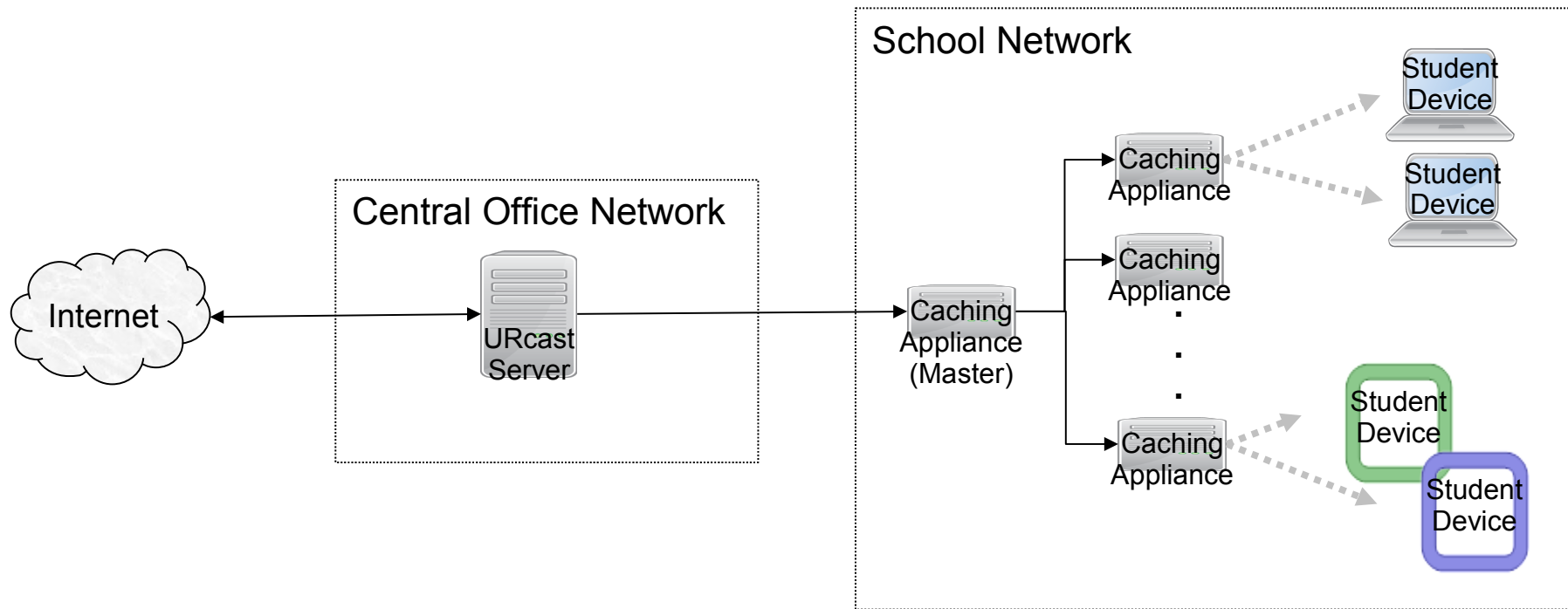




All-In-One Solution

- One Server (in school or classroom)
- Gateway runs on Server device and delivers to student devices
- Content is replicated internally
- Teachers publish lessons to single Server
- Limited scalability

Central Office Hosted Server

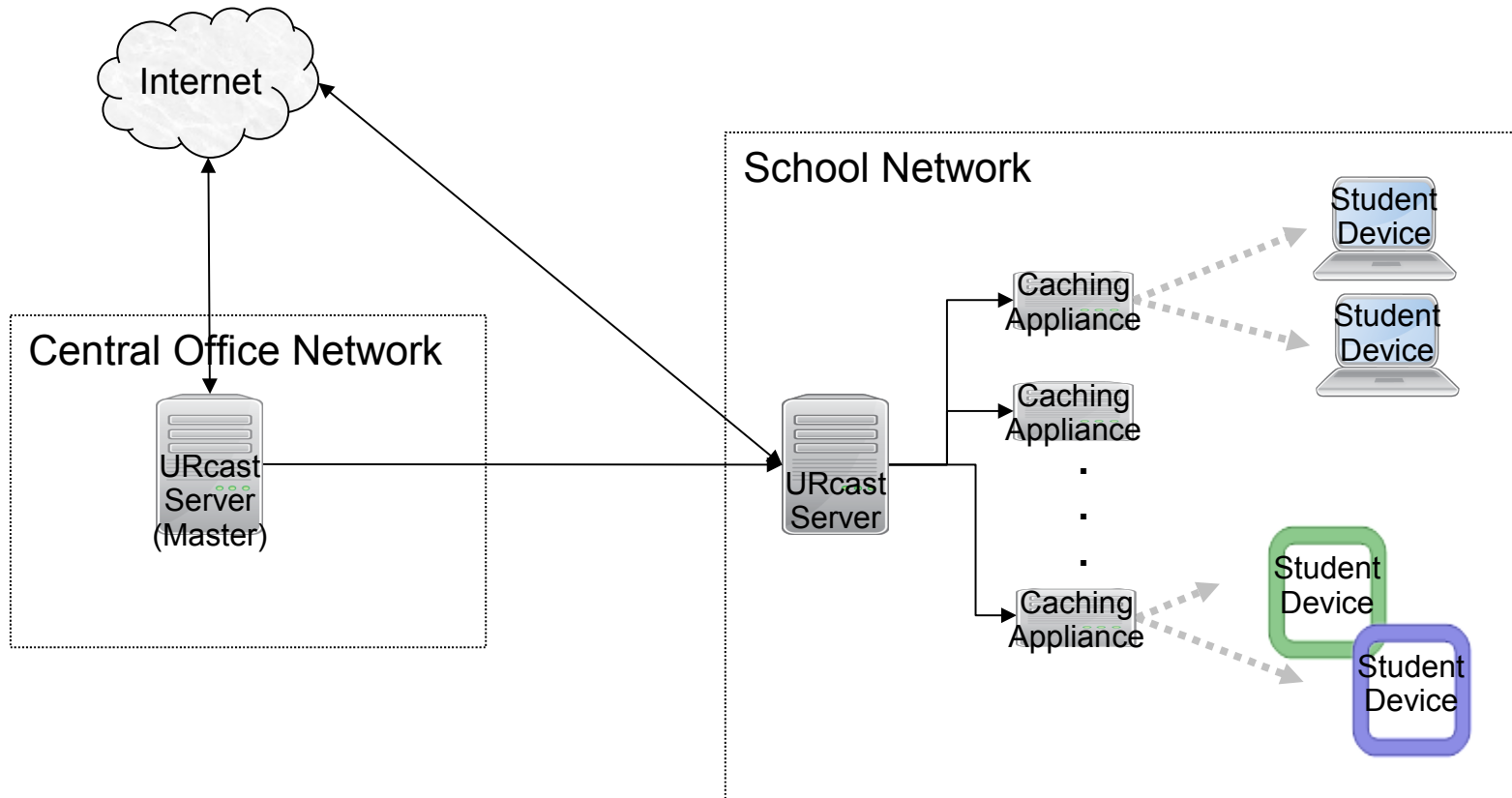




Central Office Hosted Server

- One Server at Central Office
- Master Gateway at each school
- Multiple Gateways used to deliver to student devices
- Content is replicated from Server to Master Gateways and from Master Gateways to other Gateways
- Teachers publish lessons to Central Office Server
- Delivery can be scaled by adding Gateways

Central Office Master Server

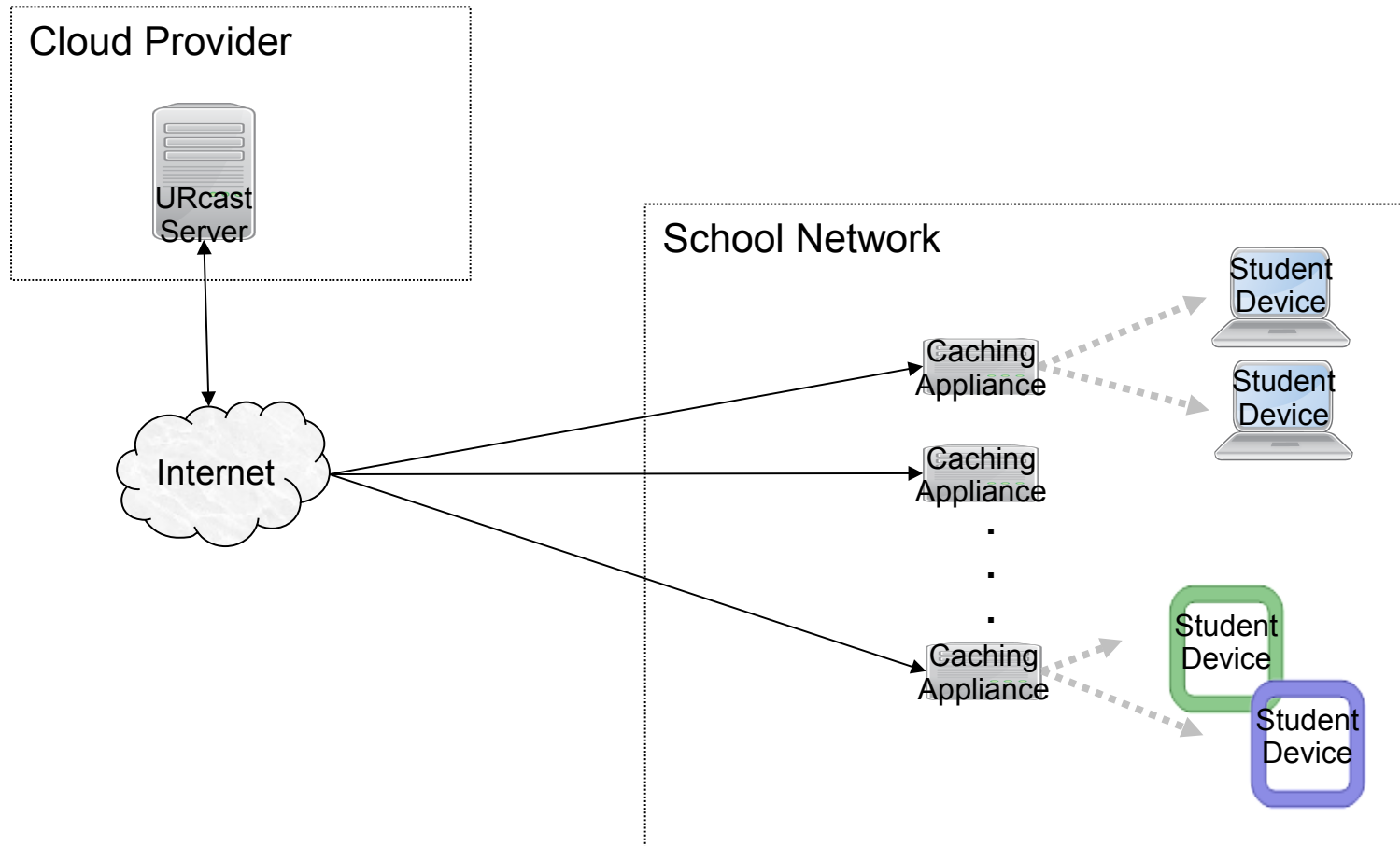




Central Office Master Server

- One Server at Central Office
- One Server at each school
- Multiple Gateways used to deliver to student devices
- Content is replicated from Central Office Server to in-school Server and from in-school Server to Gateways
- Teachers publish lessons to Central Office Server or to in-school Server depending on district policies
- Delivery can be scaled by adding Gateways

Cloud-Hosted Server

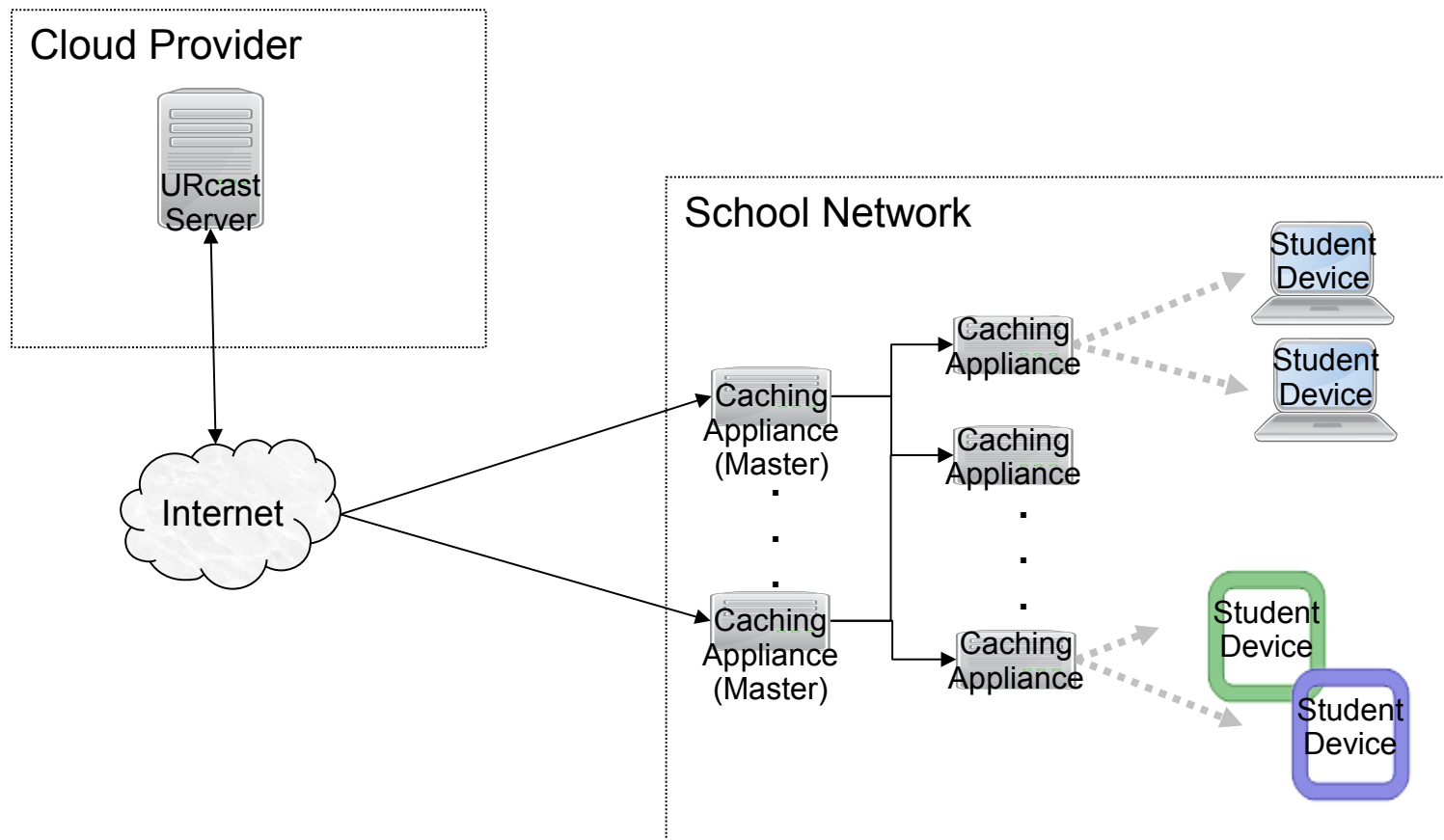




Cloud-Hosted Server

- One Server hosted at Cloud Provider
- Multiple Gateways used to deliver to student devices
- Content is replicated from Server to Multiple Gateways
- Teachers publish lessons to Cloud Provider's Server
- Server can be scaled by Cloud Provider
- Delivery can be scaled by adding Gateways

Cloud-Hosted Server with Gateway Hierarchy

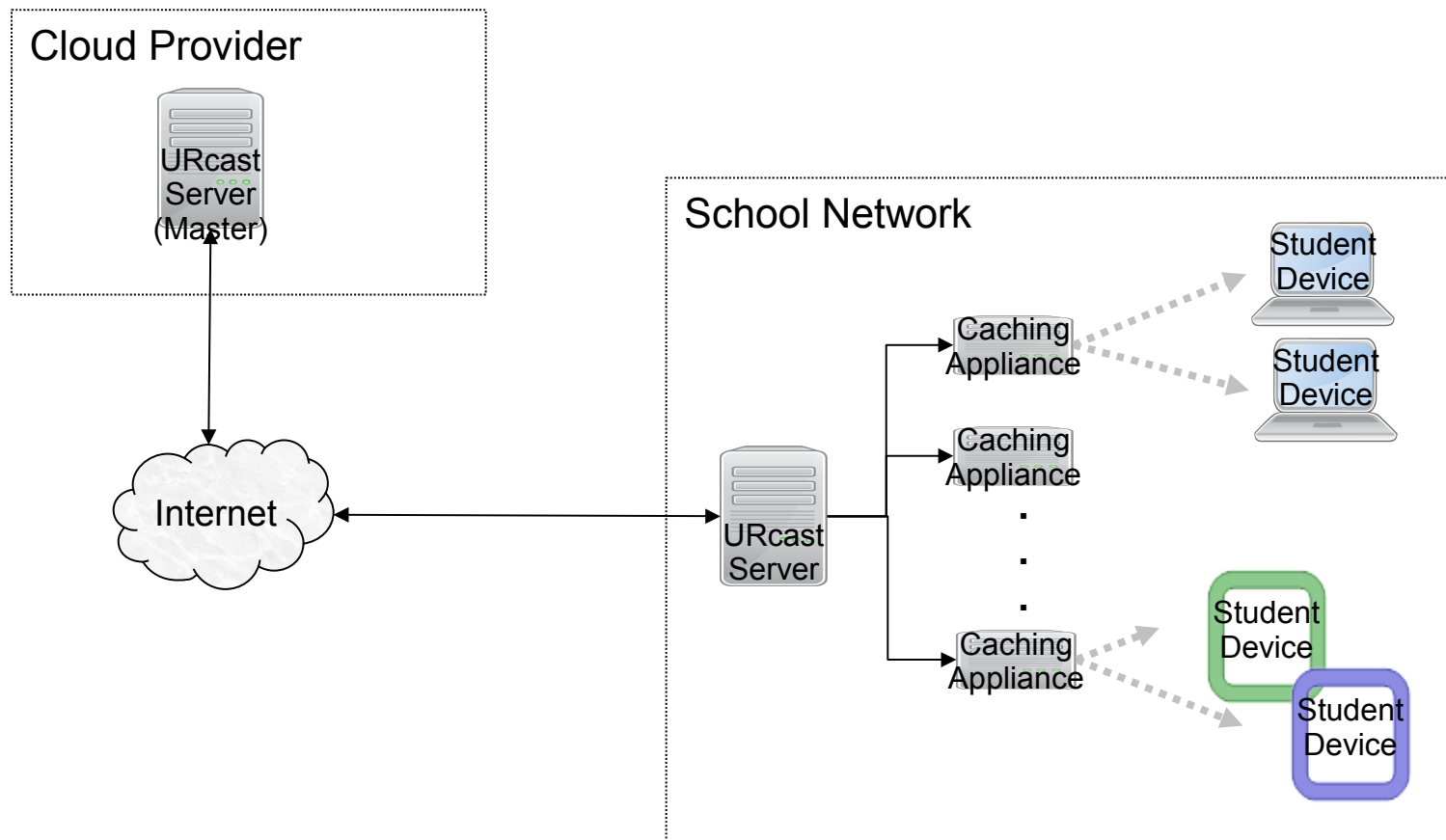




Cloud-Hosted Server with Gateway Hierarchy

- Same as Cloud-Hosted but with one or more Master Gateways at each school
- One Server hosted at Cloud Provider
- Content is replicated from Server to one or more Master Gateways
- Master Gateways deliver to Standard Gateways
- Standard Gateways deliver to student devices
- Reduces Internet access to Master Gateways only
- Scales to very large environments by adding Master & Standard Gateways

Cloud-Hosted Master Server





Cloud-Hosted Master Server

- One Server at Cloud Provider
- One Server at each school
- Multiple Gateways used to deliver to student devices
- Content is replicated from Cloud Provider Server to in-school Server and from in-school Server to Gateways
- Teachers publish lessons to Cloud Provider Server or to in-school Server depending on district policies
- Server can be scaled by Cloud Provider
- Delivery can be scaled by adding Gateways