Server	Should	Looks up	Passes to	Receives	Returns
for node	resolve		child	and caches	to requester
cs	[ftp]	#[ftp]	_	_	#[ftp]
vu	[cs, ftp]	#[cs]	[ftp]	#[ftp]	#[cs]
					#[cs, ftp]
nl	[vu, cs, ftp]	#[vu]	[cs, ftp]	#[cs]	#[vu]
				#[cs, ftp]	#[vu, cs]
					#[vu, cs, ftp]
root	[nl, vu, cs, ftp]	#[nl]	[vu, cs, ftp]	#[vu]	#[nl]
				#[vu, cs]	#[nl, vu]
				#[vu, cs, ftp]	#[nl, vu, cs]
					#[nl, vu, cs, ftp]